Kyung-Hee Kim

List of Publications by Year
in descending order

53	1,402	331538	360920
papers	citations	21	35
		h-index	g-index

56	56	56	1664
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Learning—Based Algorithm for Detecting Aortic Stenosis Using Electrocardiography. Journal of the American Heart Association, 2020, 9, e014717.	1.6	113
2	Chromium-induced physiological and proteomic alterations in roots of Miscanthus sinensis. Plant Science, 2012, 187, 113-126.	1.7	107
3	Overexpression of a chloroplast-localized small heat shock protein OsHSP26 confers enhanced tolerance against oxidative and heat stresses in tall fescue. Biotechnology Letters, 2012, 34, 371-377.	1.1	85
4	Artificial intelligence algorithm for predicting mortality of patients with acute heart failure. PLoS ONE, 2019, 14, e0219302.	1.1	84
5	Development and Validation of Deep-Learning Algorithm for Electrocardiography-Based Heart Failure Identification. Korean Circulation Journal, 2019, 49, 629.	0.7	70
6	A deep learning algorithm to detect anaemia with ECGs: a retrospective, multicentre study. The Lancet Digital Health, 2020, 2, e358-e367.	5.9	67
7	Comparing the performance of artificial intelligence and conventional diagnosis criteria for detecting left ventricular hypertrophy using electrocardiography. Europace, 2020, 22, 412-419.	0.7	66
8	Long-Term Effects of Sildenafil in a Rat Model of Chronic Mitral Regurgitation. Circulation, 2012, 125, 1390-1401.	1.6	63
9	Artificial intelligence algorithm for detecting myocardial infarction using six-lead electrocardiography. Scientific Reports, 2020, 10, 20495.	1.6	61
10	Enhanced tolerance of transgenic tall fescue plants overexpressing 2-Cys peroxiredoxin against methyl viologen and heat stresses. Biotechnology Letters, 2010, 32, 571-576.	1.1	58
11	Explainable artificial intelligence to detect atrial fibrillation using electrocardiogram. International Journal of Cardiology, 2021, 328, 104-110.	0.8	57
12	Artificial intelligence for early prediction of pulmonary hypertension using electrocardiography. Journal of Heart and Lung Transplantation, 2020, 39, 805-814.	0.3	55
13	Detecting Patient Deterioration Using Artificial Intelligence in a Rapid Response System. Critical Care Medicine, 2020, 48, e285-e289.	0.4	46
14	Focused Update of 2016 Korean Society of Heart Failure Guidelines for the Management of Chronic Heart Failure. International Journal of Heart Failure, 2019, 1, 4.	0.9	45
15	Artificial intelligence for detecting mitral regurgitation using electrocardiography. Journal of Electrocardiology, 2020, 59, 151-157.	0.4	42
16	PDE 5 inhibition with udenafil improves left ventricular systolic/diastolic functions and exercise capacity in patients with chronic heart failure with reduced ejection fraction; A 12-week, randomized, double-blind, placebo-controlled trial. American Heart Journal, 2015, 169, 813-822.e3.	1.2	37
17	Artificial intelligence algorithm for predicting cardiac arrest using electrocardiography. Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine, 2020, 28, 98.	1.1	35
18	Artificial Intelligence Algorithm for Screening Heart Failure with Reduced Ejection Fraction Using Electrocardiography. ASAIO Journal, 2021, 67, 314-321.	0.9	34

#	Article	IF	Citations
19	Artificial intelligence for detecting electrolyte imbalance using electrocardiography. Annals of Noninvasive Electrocardiology, 2021, 26, e12839.	0.5	29
20	Detection and classification of arrhythmia using an explainable deep learning model. Journal of Electrocardiology, 2021, 67, 124-132.	0.4	25
21	Mapping the leaf proteome of Miscanthus sinensis and its application to the identification of heat-responsive proteins. Planta, 2013, 238, 459-474.	1.6	24
22	Artificial intelligence assessment for early detection of heart failure with preserved ejection fraction based on electrocardiographic features. European Heart Journal Digital Health, 2021, 2, 106-116.	0.7	19
23	Survival, Exercise Capacity, and Left Ventricular Remodeling in a Rat Model of Chronic Mitral Regurgitation: Serial Echocardiography and Pressure-Volume Analysis. Korean Circulation Journal, 2011, 41, 603.	0.7	15
24	Responses of MxPPO overexpressing transgenic tall fescue plants to two diphenyl-ether herbicides, oxyfluorfen and acifluorfen. Acta Physiologiae Plantarum, 2008, 30, 745-754.	1.0	14
25	Exergaming Improves Executive Functions in Patients With Metabolic Syndrome: Randomized Controlled Trial. JMIR Serious Games, 2019, 7, e13575.	1.7	14
26	Genetics of Cardiomyopathy: Clinical and Mechanistic Implications for Heart Failure. Korean Circulation Journal, 2021, 51, 797.	0.7	13
27	Artificial intelligence using electrocardiography: strengths and pitfalls. European Heart Journal, 2021, 42, 2896-2898.	1.0	13
28	Deep-learning model for screening sepsis using electrocardiography. Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine, 2021, 29, 145.	1.1	12
29	Artificial Intelligence-Enhanced Smartwatch ECG for Heart Failure-Reduced Ejection Fraction Detection by Generating 12-Lead ECG. Diagnostics, 2022, 12, 654.	1.3	12
30	Therapeutic effects of udenafil on pressure-overload cardiac hypertrophy. Hypertension Research, 2015, 38, 597-604.	1.5	11
31	Artificial intelligence to diagnose paroxysmal supraventricular tachycardia using electrocardiography during normal sinus rhythm. European Heart Journal Digital Health, 2021, 2, 290-298.	0.7	11
32	Differential Transcriptome Profile and Exercise Capacity in Cardiac Remodeling by Pressure Overload versus Volume Overload. Journal of Cardiovascular Imaging, 2019, 27, 50.	0.2	10
33	Prevalence and clinical features of bone morphogenetic protein receptor type 2 mutation in Korean idiopathic pulmonary arterial hypertension patients: The PILGRIM explorative cohort. PLoS ONE, 2020, 15, e0238698.	1.1	10
34	Hemodynamic and Histopathologic Benefits of Early Treatment with Macitentan in a Rat Model of Pulmonary Arterial Hypertension. Korean Circulation Journal, 2018, 48, 839.	0.7	9
35	ULTIMATE-SHF trial (UdenafiL Therapy to Improve symptoMAtology, exercise Tolerance and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf placebo-controlled, double-blind trial. Trials, 2013, 14, 188.	0.7	8
36	A Nationwide multicenter registry and biobank program for deep phenotyping of idiopathic and hereditary pulmonary arterial hypertension in Korea: the PAH platform for deep phenotyping in Korean subjects (PHOENIKS) cohort. Clinical Hypertension, 2019, 25, 21.	0.7	7

#	Article	IF	Citations
37	Change of B-Type Natriuretic Peptide After Surgery and Its Association With Rhythm Status in Patients With Chronic Severe Mitral Regurgitation. Canadian Journal of Cardiology, 2013, 29, 704-711.	0.8	4
38	Physician adherence and patient-reported outcomes in heart failure with reduced ejection fraction in the era of angiotensin receptor-neprilysin inhibitor therapy. Scientific Reports, 2022, 12, 7730.	1.6	4
39	Heart transplantation for dextrocardia: preoperative planning using 3D printing. European Heart Journal Cardiovascular Imaging, 2020, 21, 346.	0.5	3
40	Beneficial Effect of Left Ventricular Remodeling after Early Change of Sacubitril/Valsartan in Patients with Nonischemic Dilated Cardiomyopathy. Medicina (Lithuania), 2021, 57, 416.	0.8	3
41	High Incidence and Mortality of Out-of-Hospital Cardiac Arrest on Traditional Holiday in South Korea. Korean Circulation Journal, 2019, 49, 945.	0.7	3
42	Artificial intelligence assessment for early detection and prediction of renal impairment using electrocardiography. International Urology and Nephrology, 2022, , 1.	0.6	3
43	Safety and efficacy of low-dose aspirin in patients with coronary artery spasm: long-term clinical follow-up. Cardiovascular Prevention and Pharmacotherapy, 2022, 4, 26-33.	0.0	1
44	Assessing Right Ventricular Function: The Role of Echocardiography in a Murine Model of Pulmonary Hypertension. Journal of Cardiovascular Imaging, 2016, 24, 199.	0.8	0
45	Epicardial Fat Thickness, Free Fatty Acid Can Predict Acute Ischemic Stroke in Patients with Atrial Fibrillation?. Journal of Cardiovascular Imaging, 2018, 26, 63.	0.2	0
46	Deep Learning in Medical Research: Strengths and Pitfalls. Cardiometabolic Syndrome Journal, 2021, 1, 155.	1.0	0
47	Diagnosis of Interrupted Aortic Arch in an Adult during Coronary Artery Evaluation. Journal of Cardiovascular Imaging, 2021, 29, 295.	0.2	0
48	Level of Troponin Release Can Aid in Early Exclusion of Stress-induced (Takotsubo) Cardiomyopathy. Journal of Cardiovascular Imaging, 2021, 29, 234.	0.2	0
49	Inflammation and Heart Failure. , 2017, , 805-825.		0
50	Left Ventricular Pseudoaneurysm with Fistulization into the Right Atrium: a Complication of Prosthetic Mitral Perivalvular Abscess. Journal of Cardiovascular Imaging, 2019, 27, 290.	0.2	0
51	Ventricular Conduction Disturbance in Acute Heart Failure Syndrome: Does It Matter for Prognosis?. Korean Circulation Journal, 2019, 49, 612.	0.7	0
52	Images of Mitral Valve Perforation due to Atrial Septal Occluder Device. Korean Circulation Journal, 2019, 49, 1112.	0.7	0
53	Successful Management of Recurrent Type A Aortic Dissection With Customized Fenestrated Stentgraft in a Patient With High Surgical Risk. Korean Circulation Journal, 0, 52, .	0.7	0