Do-Sum Lim

List of Publications by Year
in descending order

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Version: 2024-02-01

87	2,105	361413	243625
papers	citations	20 h-index	44 g-index

87	87	87	3251
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Randomized Trial of Stents versus Bypass Surgery for Left Main Coronary Artery Disease. New England Journal of Medicine, 2011, 364, 1718-1727.	27.0	571
2	Randomized Trial of Stents VersusÂBypass Surgery for Left Main Coronary Artery Disease. Journal of the American College of Cardiology, 2015, 65, 2198-2206.	2.8	308
3	The East Asian Paradox: An Updated Position Statement on the Challenges to the Current Antithrombotic Strategy in Patients with Cardiovascular Disease. Thrombosis and Haemostasis, 2021, 121, 422-432.	3.4	149
4	5-azacytidine induces cardiac differentiation of P19 embryonic stem cells. Experimental and Molecular Medicine, 2004, 36, 515-523.	7.7	97
5	Percutaneous coronary intervention with drug-eluting stent implantation vs. minimally invasive direct coronary artery bypass (MIDCAB) in patients with left anterior descending coronary artery stenosis. Catheterization and Cardiovascular Interventions, 2005, 64, 75-81.	1.7	80
6	ROCK suppression promotes differentiation and expansion of endothelial cells from embryonic stem cellâ€“derived Flk1+ mesodermal precursor cells. Blood, 2012, 120, 2733-2744.	1.4	49
7	1-Month Dual-Antiplatelet Therapy Followed by Aspirin Monotherapy AfterÂPolymer-Free Drug-Coated StentÂImplantation. JACC: Cardiovascular Interventions, 2021, 14, 1801-1811.	2.9	47
8	Transdifferentiation of mesenchymal stem cells into cardiomyocytes by direct cell-to-cell contact with neonatal cardiomyocyte but not adult cardiomyocytes. Annals of Hematology, 2005, 84, 715-721.	1.8	46
9	Nanog regulates molecules involved in stemness and cell cycleâ€signaling pathway for maintenance of pluripotency of P19 embryonal carcinoma stem cells. Journal of Cellular Physiology, 2012, 227, 3678-3692.	4.1	45
10	Intrinsic FGF2 and FGF5 promotes angiogenesis of human aortic endothelial cells in 3D microfluidic angiogenesis system. Scientific Reports, 2016, 6, 28832.	3.3	45
11	Visceral Fat Area and Serum Adiponectin Level Predict the Development of Metabolic Syndrome in a Community-Based Asymptomatic Population. PLoS ONE, 2017, 12, e0169289.	2.5	43
12	Association between epicardial adipose tissue, high-sensitivity C-reactive protein and myocardial dysfunction in middle-aged men with suspected metabolic syndrome. Cardiovascular Diabetology, 2018, 17, 95.	6.8	42
13	Human endothelial colony forming cells from adult peripheral blood have enhanced sprouting angiogenic potential through up-regulating VEGFR2 signaling. International Journal of Cardiology, 2015, 197, 33-43.	1.7	32
14	INNOVATION Study (Impact of Immediate Stent Implantation Versus Deferred Stent Implantation on) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.9	32
15	Transplantation of Adipose-Derived Stem Cell Sheet Attenuates Adverse Cardiac Remodeling in Acute Myocardial Infarction. Tissue Engineering - Part A, 2017, 23, 1-11.	3.1	30
16	Continuous immunosensing of myoglobin in human serum as potential companion diagnostics technique. Biosensors and Bioelectronics, 2014, 62, 234-241.	10.1	26
17	Effects of genetic variants on platelet reactivity and one-year clinical outcomes after percutaneous coronary intervention: A prospective multicentre registry study. Scientific Reports, 2018, 8, 1229.	3.3	26
18	Nanopillar Surface Topology Promotes Cardiomyocyte Differentiation through Cofilin-Mediated Cytoskeleton Rearrangement. ACS Applied Materials & Interfaces, 2017, 9, 16803-16812.	8.0	23

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19	Transplantation of Immortalized CD34+ and CD34- Adipose-Derived Stem Cells Improve Cardiac Function and Mitigate Systemic Pro-Inflammatory Responses. PLoS ONE, 2016, 11, e0147853.	2.5	22
20	Cardiac Stem Cell Secretome Protects Cardiomyocytes from Hypoxic Injury Partly via Monocyte Chemotactic Protein-1-Dependent Mechanism. International Journal of Molecular Sciences, 2016, 17, 800.	4.1	21
21	Comparison of 2-year mortality according to obesity in stabilized patients with type 2 diabetes mellitus after acute myocardial infarction: results from the DIAMOND prospective cohort registry. Cardiovascular Diabetology, 2015, 14, 141.	6.8	19
22	Clinical Outcomes in Patients WithÂDelayed Hospitalization for Nonâ€“ST-Segment Elevation MyocardialÂInfarction. Journal of the American College of Cardiology, 2022, 79, 311-323.	2.8	19
23	Clinical outcomes of patients with coronary artery aneurysm after the first generation drugâ€eluting stent implantation. Catheterization and Cardiovascular Interventions, 2018, 92, E235-E245.	1.7	18
24	Smooth muscle progenitor cells from peripheral blood promote the neovascularization of endothelial colony-forming cells. Biochemical and Biophysical Research Communications, 2014, 449, 405-411.	2.1	17
25	Sphere formation of adipose stem cell engineered by poly-2-hydroxyethyl methacrylate induces inÂvitro angiogenesis through fibroblast growth factor 2. Biochemical and Biophysical Research Communications, 2015, 468, 372-379.	2.1	16
26	Mixl1 and Flk1 Are Key Players of Wnt/TGF-Î² Signaling During DMSO-Induced Mesodermal Specification in P19 cells. Journal of Cellular Physiology, 2015, 230, 1807-1821.	4.1	16
27	Comparison of threeâ€year clinical outcomes between sirolimusâ€versus paclitaxelâ€eluting stents in diabetic patients: Prospective randomized multicenter trial. Catheterization and Cardiovascular Interventions, 2010, 76, 924-933.	1.7	14
28	Platelet Function and Genotype after DES Implantation in East Asian Patients: Rationale and Characteristics of the PTRG-DES Consortium. Yonsei Medical Journal, 2022, 63, 413.	2.2	13
29	The Seoul Metropolitan Lifestyle Intervention Program and Metabolic Syndrome Risk: A Retrospective Database Study. International Journal of Environmental Research and Public Health, 2016, 13, 667.	2.6	12
30	Manipulation of the response of human endothelial colony-forming cells by focal adhesion assembly using gradient nanopattern plates. Acta Biomaterialia, 2018, 65, 272-282.	8.3	12
31	Modulating cardiomyocyte and fibroblast interaction using layer-by-layer deposition facilitates synchronisation of cardiac macro tissues. Soft Matter, 2020, 16, 428-434.	2.7	12
32	Transplantation of 3D bio-printed cardiac mesh improves cardiac function and vessel formation via ANGPT1/Tie2 pathway in rats with acute myocardial infarction. Biofabrication, 2021, 13, 045014.	7.1	12
33	Assessment of coronary flow reserve with transthoracic Doppler echocardiography: comparison with intracoronary Doppler method. Journal of Korean Medical Science, 2000, 15, 139.	2.5	11
34	Specific monitoring of cardiomyogenic and endothelial differentiation by dual promoter-driven reporter systems in bone marrow mesenchymal stem cells. Biotechnology Letters, 2008, 30, 835-843.	2.2	10
35	P19 Embryonal carcinoma cells: a new model for the study of endothelial cell differentiation. Biotechnology Letters, 2008, 30, 1169-1175.	2.2	10
36	Identification of plaque ruptures using a novel discriminative model comprising biomarkers in patients with acute coronary syndrome. Scientific Reports, 2020, 10, 20228.	3.3	10

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37	Investigating potential mediator between statin and coronary artery calcification. PLoS ONE, 2018, 13, e0203702.	2.5	9
38	Intramyocardial Adipose-Derived Stem Cell Transplantation Increases Pericardial Fat with Recovery of Myocardial Function after Acute Myocardial Infarction. PLoS ONE, 2016, 11, e0158067.	2.5	8
39	Cardioprotective effects of genetically engineered cardiac stem cells by spheroid formation on ischemic cardiomyocytes. Molecular Medicine, 2020, 26, 15.	4.4	8
40	LEFTY-PITX2 signaling pathway is critical for generation of mature and ventricular cardiac organoids in human pluripotent stem cell-derived cardiac mesoderm cells. Biomaterials, 2021, 278, 121133.	11.4	8
41	The Relationship between Pulse Wave Velocity and Coronary Artery Stenosis and Percutaneous Coronary Intervention: a retrospective observational study. BMC Cardiovascular Disorders, 2017, 17, 45.	1.7	7
42	Favorable neurological outcome after ischemic cerebrovascular events in patients treated with percutaneous left atrial appendage occlusion compared with warfarin. Catheterization and Cardiovascular Interventions, 2019, 94, E23-E29.	1.7	7
43	A comparison between drug-eluting stent implantation and drug-coated balloon angioplasty in patients with left main bifurcation in-stent restenotic lesions. BMC Cardiovascular Disorders, 2020, 20, 83.	1.7	6
44	Thymosin Î²4-Enhancing Therapeutic Efficacy of Human Adipose-Derived Stem Cells in Mouse Ischemic Hindlimb Model. International Journal of Molecular Sciences, 2020, 21, 2166.	4.1	6
45	Percutaneous Left Atrial Appendage Occlusion Yields Favorable Neurological Outcomes in Patients with Non-Valvular Atrial Fibrillation. Korean Circulation Journal, 2021, 51, 626.	1.9	6
46	Electrical Remodeling in Human Atrial Fibrillation Influences Post-Cardioversion Atrial Mechanical Dysfunction and Early Relapse. Sunhwan'gi, 1999, 29, 788.	0.3	5
47	Chest stab wound-related coronary artery pseudoaneurysm sealed with a polytetrafluoroethylene-covered stent. Heart and Vessels, 2005, 20, 233-235.	1.2	5
48	Cyclosporin A Induces Cardiac Differentiation but Inhibits Hemato-Endothelial Differentiation of P19 Cells. PLoS ONE, 2015, 10, e0117410.	2.5	5
49	Impact of low high-density lipoprotein-cholesterol level on 2-year clinical outcomes after acute myocardial infarction in patients with diabetes mellitus. Lipids in Health and Disease, 2016, 15, 197.	3.0	5
50	Impact of hyperuricemia on clinical outcomes after percutaneous coronary intervention for in-stent restenosis. BMC Cardiovascular Disorders, 2018, 18, 114.	1.7	5
51	An Appraisal of the Electrocardiographic Criteria for Diagnosis of Left Ventricular Hypertrophy in Koreans: Comparison to Echocardiographic Measurement of Left Ventricular Mass. Sunhwan'gi, 2004, 34, 775.	0.3	4
52	Inâ€hospital outcome differences between transradial and transfemoral coronary approaches: Data from the Korean percutaneous coronary intervention registry. Catheterization and Cardiovascular Interventions, 2019, 94, 378-384.	1.7	4
53	Randomized Comparison of Everolimus- and Zotarolimus-Eluting Coronary Stents With Biolimus-Eluting Stents in All-Comer Patients. Circulation: Cardiovascular Interventions, 2020, 13, e008525.	3.9	4
54	Differential Factors for Predicting Outcomes in Left Main versus Non-Left Main Coronary Bifurcation Stenting. Journal of Clinical Medicine, 2021, 10, 3024.	2.4	4

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55	Modeling Hypoxic Stress In Vitro Using Human Embryonic Stem Cells Derived Cardiomyocytes Matured by FGF4 and Ascorbic Acid Treatment. Cells, 2021, 10, 2741.	4.1	4
56	Effects of angiotensin receptor blockers on neointimal characteristics in angina patients requiring stent implantation: optical coherence tomography analysis. BMC Cardiovascular Disorders, 2017, 17, 278.	1.7	3
57	Comparing the Procedural and Clinical Outcomes of Sapien XT and Sapien 3 Valves in Transcatheter Aortic Valve Replacement in Korean Patients. Korean Circulation Journal, 2020, 50, 907.	1.9	3
58	An Overview of Near-Infrared Spectroscopy-Intravascular Ultrasound and Its Applications in Coronary Artery Disease. , 2022, 1, 1.		3
59	Clinical Results of Drug-Coated Balloon Treatment in a Large-Scale Multicenter Korean Registry Study. Korean Circulation Journal, 2022, 52, .	1.9	3
60	Electrophysiologic Properties of the Atrium in Patients with Chronic and Paroxysmal Atrial Fibrillation. Sunhwan'gi, 2000, 30, 448.	0.3	2
61	Chronic Chlamydia pneumoniae Infection as a Risk Factor for Acute Myocardial Infarction in Korea. Sunhwan'gi, 2000, 30, 407.	0.3	2
62	Transmural difference in myocardial damage assessed by layer-specific strain analysis in patients with ST elevation myocardial infarction. Scientific Reports, 2020, 10, 11104.	3.3	2
63	Multidimensional assembly using layer-by-layer deposition for synchronized cardiac macro tissues. RSC Advances, 2020, 10, 18806-18815.	3.6	2
64	Serum milk fat globule-EGF factor 8 protein as a potential biomarker for metabolic syndrome. Clinical and Molecular Hepatology, 2021, 27, 463-473.	8.9	2
65	Longitudinal Change in Myocardial Function and Clinical Parameters in Middle-Aged Subjects: A 3-Year Follow-up Study. Diabetes and Metabolism Journal, 2021, 45, 719-729.	4.7	2
66	Relations Among Coronary Flow Reserve, Left Ventricular Mass and Diastolic Function in Patients with Chest Pain and Normal Coronary Angiograms. Sunhwan'gi, 2000, 30, 287.	0.3	2
67	Efficacy and Safety of Dual-Drug-Eluting Stents for de Novo Coronary Lesions in South Koreaâ€"The Effect Trial. Journal of Clinical Medicine, 2021, 10, 69.	2.4	2
68	Target Low-Density Lipoprotein-Cholesterol and Secondary Prevention for Patients with Acute Myocardial Infarction: A Korean Nationwide Cohort Study. Journal of Clinical Medicine, 2022, 11, 2650.	2.4	2
69	Optimal Balloon Inflation Pressures for Stent Deployment: High Pressure is Always Good?. Sunhwan'gi, 1998, 28, 1272.	0.3	1
70	Electrophysiologic Characteristics in the Process of Conversion from Atrial Fibrillation to Atrial Flutter. Sunhwan'gi, 2000, 30, 72.	0.3	1
71	Vessel Size and Long-Term Clinical and Angiographic Outcome after Primary Stenting in Acute Myocardial Infarction. Sunhwan'gi, 2002, 32, 233.	0.3	1
72	Relation between Pulse Wave Velocity, Left Ventricular Diastolic Function, and Circadian Variation of Blood Pressure in Patients with Never Treated Essential Hypertension. Sunhwan'gi, 2004, 34, 1099.	0.3	1

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73	Fabrication of Gradient Nanopattern by Thermal Nanoimprinting Technique and Screening of the Response of Human Endothelial Colony-forming Cells. Journal of Visualized Experiments, 2018, , .	0.3	1
74	Differential clinical impact of chronic total occlusion revascularization based on left ventricular systolic function. Clinical Research in Cardiology, 2021, 110, 237-248.	3.3	1
75	Impact of genetic variants on clinical outcome after percutaneous coronary intervention in elderly patients. Aging, 2021, 13, 6506-6524.	3.1	1
76	Effects of deferred versus immediate stenting on left ventricular function in patients with ST elevation myocardial infarction. Medicine (United States), 2021, 100, e26598.	1.0	1
77	Changes of Mitral Inflow According to Position in Patients with Dilated Cardiomyopathy. Journal of the Korean Society of Echocardiography, 1998, 6, 5.	0.0	1
78	Inverse association of improved adherence to dietary guidelines with metabolic syndrome: the Seoul Metabolic Syndrome Management program. Nutrition Research and Practice, 2020, 14, 621.	1.9	1
79	Vascular Remodeling by a Guidewire Insertion in the Normal Rabbit Iliac Artery. Sunhwan'gi, 2001, 31, 930.	0.3	0
80	A Case of Consecutive Right and Left Ventricular Dysfunction. Journal of Cardiovascular Imaging, 2008, 16, 123.	0.8	0
81	Staged Complete Revascularization in ST-Segment Elevation Myocardial Infarction Should Be the Treatment of Choice Compared to Primary Complete Revascularization. Korean Circulation Journal, 2011, 41, 703.	1.9	0
82	Successful Long-term Patency of a Complicated Coronary Aneurysm at a Prior Coronary Branch Stent Treated with a Stent Graft and Dedicated Bifurcation Stent. Korean Circulation Journal, 2021, 51, 551.	1.9	0
83	Impact of genetic variants on major bleeding after percutaneous coronary intervention based on a prospective multicenter registry. Scientific Reports, 2021, 11, 1790.	3.3	0
84	A Case of Congenital Left Ventricular Aneurysm in an Elderly Woman. Journal of the Korean Society of Echocardiography, 2002, 10, 79.	0.0	0
85	Relation Between Residual Stenosis of Infarct-related Artery and Left Ventricular Dilatation After Acute Myocardial Infarction. Journal of the Korean Society of Echocardiography, 1995, 3, 1.	0.0	0
86	Comparison Study of Myocardial contrast Echocardiography and Tc99m MIBI SPECT in Assessing Myocardial Perfusion. Journal of the Korean Society of Echocardiography, 1995, 3, 130.	0.0	0
87	Associations of Intima-Media Thickness of Common Carotid Artery, Coronary Artery Atherosclerosis and Atherosclerotic Risk Factors. Journal of the Korean Society of Echocardiography, 1996, 4, 130.	0.0	0