Doyeon Hwang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2497871/publications.pdf

Version: 2024-02-01

90 papers	2,810 citations	159585 30 h-index	189892 50 g-index
98 all docs	98 docs citations	98 times ranked	2914 citing authors

#	Article	IF	Citations
1	Determination of [N-13]-ammonia extraction fraction in patients with coronary artery disease by calibration to invasive coronary and fractional flow reserve. Journal of Nuclear Cardiology, 2022, 29, 2210-2219.	2.1	0
2	Differential Prognostic Implications of Pre- and Post-Stent Fractional Flow Reserve in Patients Undergoing Percutaneous Coronary Intervention. Korean Circulation Journal, 2022, 52, 47.	1.9	3
3	Prasugrel-based De-Escalation of Dual Antiplatelet Therapy After Percutaneous Coronary Intervention in Patients With STEMI. Korean Circulation Journal, 2022, 52, 304.	1.9	7
4	Clinically viable myocardial CCTA segmentation for measuring vessel-specific myocardial blood flow from dynamic PET/CCTA hybrid fusion. European Journal of Hybrid Imaging, 2022, 6, 4.	1.5	1
5	Prasugrel Dose De-escalation Therapy After Complex Percutaneous Coronary Intervention in Patients With Acute Coronary Syndrome. JAMA Cardiology, 2022, 7, 418.	6.1	9
6	Angiographic complete revascularization versus incomplete revascularization in patients with diabetes mellitus. Cardiovascular Diabetology, 2022, 21, 56.	6.8	2
7	Differential Prognostic Value of Revascularization for Coronary Stenosis With Intermediate FFR by Coronary FlowÂReserve. JACC: Cardiovascular Interventions, 2022, 15, 1033-1043.	2.9	3
8	Prognostic implications of coronary physiological indices in patients with diabetes mellitus. Revista Espanola De Cardiologia (English Ed), 2021, 74, 682-690.	0.6	2
9	Residual functional SYNTAX score by quantitative flow ratio and improvement of exercise capacity after revascularization. Catheterization and Cardiovascular Interventions, 2021, 97, E454-E466.	1.7	2
10	Clinical relevance and prognostic implications of contrast quantitative flow ratio in patients with coronary artery disease. International Journal of Cardiology, 2021, 325, 23-29.	1.7	17
11	CT Angiographic and Plaque Predictors of Functionally Significant Coronary Disease and Outcome Using Machine Learning. JACC: Cardiovascular Imaging, 2021, 14, 629-641.	5.3	46
12	Durable Polymer Versus Biodegradable Polymer Drug-Eluting Stents After Percutaneous Coronary Intervention in Patients with Acute Coronary Syndrome. Circulation, 2021, 143, 1081-1091.	1.6	33
13	Non-invasive vs. Invasive Functional Tests after Coronary Stent Implantation. Korean Circulation Journal, 2021, 51, 549.	1.9	0
14	Feasibility of Quantitative Flow Ratioâ€“Derived Pullback Pressure Gradient Index and Its Impact on Diagnostic Performance. JACC: Cardiovascular Interventions, 2021, 14, 353-355.	2.9	15
15	The Effect of Locally Administered Fibrinolytic Drugs Following Aneurysmal Subarachnoid Hemorrhage : A Meta-Analysis with Eight Randomized Controlled Studies. Journal of Korean Neurosurgical Society, 2021, 64, 207-216.	1.2	2
16	Non-randomized comparison between revascularization and deferral for intermediate coronary stenosis with abnormal fractional flow reserve and preserved coronary flow reserve. Scientific Reports, 2021, 11, 9126.	3.3	3
17	High-Risk Morphological and Physiological Coronary Disease Attributes as Outcome Markers After Medical Treatment and Revascularization. JACC: Cardiovascular Imaging, 2021, 14, 1977-1989.	5.3	16
18	Characteristic findings of microvascular dysfunction on coronary computed tomography angiography in patients with intermediate coronary stenosis. European Radiology, 2021, 31, 9198-9210.	4.5	9

#	Article	IF	Citations
19	Dynamic cardiac PET motion correction using 3D normalized gradient fields in patients and phantom simulations. Medical Physics, 2021, 48, 5072-5084.	3.0	3
20	Markers of Myocardial Damage Predict Mortality in Patients With Aortic Stenosis. Journal of the American College of Cardiology, 2021, 78, 545-558.	2.8	41
21	Physiological Distribution and Local Severity of Coronary Artery Disease andÂOutcomes After Percutaneous Coronary Intervention. JACC: Cardiovascular Interventions, 2021, 14, 1771-1785.	2.9	26
22	Association Among Local Hemodynamic Parameters Derived From CT Angiography and Their Comparable Implications in Development of Acute Coronary Syndrome. Frontiers in Cardiovascular Medicine, 2021, 8, 713835.	2.4	9
23	Clinical and Prognostic Impact From Objective Analysis of Post-Angioplasty Fractional FlowÂReserve Pullback. JACC: Cardiovascular Interventions, 2021, 14, 1888-1900.	2.9	8
24	Topological Data Analysis of Coronary Plaques Demonstrates the Natural History of Coronary Atherosclerosis. JACC: Cardiovascular Imaging, 2021, 14, 1410-1421.	5.3	16
25	Association of Quantitative Flow Ratio with Lesion Severity and Its Ability to Discriminate Myocardial Ischemia. Korean Circulation Journal, 2021, 51, 126.	1.9	12
26	Physiologic Assessment after Coronary Stent Implantation. Korean Circulation Journal, 2021, 51, 189.	1.9	14
27	Effect of Coronary Disease Characteristics on Prognostic Relevance of Residual Ischemia After Stent Implantation. Frontiers in Cardiovascular Medicine, 2021, 8, 696756.	2.4	2
28	Prognostic impact of diabetes mellitus and index of microcirculatory resistance in patients undergoing fractional flow reserve-guided revascularization. International Journal of Cardiology, 2020, 307, 171-175.	1.7	5
29	Longâ€Term Clinical Outcomes of Nonhyperemic Pressure Ratios: Resting Fullâ€Cycle Ratio, Diastolic Pressure Ratio, and Instantaneous Waveâ€Free Ratio. Journal of the American Heart Association, 2020, 9, e016818.	3.7	19
30	Prognostic Implications of Post-Intervention Resting Pd/Pa and Fractional Flow Reserve in Patients With Stent Implantation. JACC: Cardiovascular Interventions, 2020, 13, 1920-1933.	2.9	23
31	Automated Algorithm Using Pre-Intervention Fractional FlowÂReserveÂPullback Curve to Predict Post-Intervention Physiological Results. JACC: Cardiovascular Interventions, 2020, 13, 2670-2684.	2.9	26
32	Role of Post-Stent Physiological Assessment in a Risk Prediction Model After Coronary Stent Implantation. JACC: Cardiovascular Interventions, 2020, 13, 1639-1650.	2.9	36
33	Prasugrel-based de-escalation of dual antiplatelet therapy after percutaneous coronary intervention in patients with acute coronary syndrome (HOST-REDUCE-POLYTECH-ACS): an open-label, multicentre, non-inferiority randomised trial. Lancet, The, 2020, 396, 1079-1089.	13.7	125
34	Prognostic Impact of Residual Anatomic Disease Burden After Functionally Complete Revascularization. Circulation: Cardiovascular Interventions, 2020, 13, e009232.	3.9	16
35	Sex Differences in Longâ€Term Outcomes in Patients With Deferred Revascularization Following Fractional Flow Reserve Assessment: International Collaboration Registry of Comprehensive Physiologic Evaluation. Journal of the American Heart Association, 2020, 9, e014458.	3.7	10
36	Prognostic Implications of Resistive Reserve Ratio in Patients With Coronary Artery Disease. Journal of the American Heart Association, 2020, 9, e015846.	3.7	29

#	Article	IF	Citations
37	Comparison of long-term clinical outcomes between revascularization versus medical treatment in patients with silent myocardial ischemia. International Journal of Cardiology, 2019, 277, 47-53.	1.7	9
38	Better Prognosis After Complete Revascularization Using Contemporary Coronary Stents in Patients With Chronic Kidney Disease. Circulation: Cardiovascular Interventions, 2019, 12, e007907.	3.9	9
39	TCT-195 Anatomical Attributes of Myocardial Territory of Diagonal Branches Assessed by Coronary Computed Tomography Angiography. Journal of the American College of Cardiology, 2019, 74, B194.	2.8	0
40	TCT-585 Prognostic Implications of Coronary Physiologic Indices in Deferred Coronary Artery Lesions With Diabetes Mellitus. Journal of the American College of Cardiology, 2019, 74, B576.	2.8	0
41	Clinical Outcome of Lesions With Discordant Results Among Different Invasive Physiologic Indicesâ€€â€• Resting Distal Coronary to Aortic Pressure Ratio, Resting Full-Cycle Ratio, Diastolic Pressure Ratio, Instantaneous Wave-Free Ratio, and Fractional Flow Reserve â€•. Circulation Journal, 2019, 83, 2210-2221.	1.6	37
42	Physiologic Characteristics and ClinicalÂOutcomes of Patients With Discordance Between FFR and iFR. JACC: Cardiovascular Interventions, 2019, 12, 2018-2031.	2.9	56
43	Diagnostic Performance of Nonhyperemic Pressure Ratios Assessed by 13N-Ammonium Positron Emission Tomography. JACC: Cardiovascular Interventions, 2019, 12, 1517-1518.	2.9	2
44	Prognostic Implications of Plaque Characteristics and Stenosis Severity in Patients With Coronary Artery Disease. Journal of the American College of Cardiology, 2019, 73, 2413-2424.	2.8	115
45	Prognostic Implications of Doorâ€toâ€Balloon Time and Onsetâ€toâ€Door Time on Mortality in Patients With STâ€Segmentâ€“Elevation Myocardial Infarction Treated With Primary Percutaneous Coronary Intervention. Journal of the American Heart Association, 2019, 8, e012188.	3.7	115
46	Relevance of anatomical, plaque, and hemodynamic characteristics of non-obstructive coronary lesions in the prediction of risk for acute coronary syndrome. European Radiology, 2019, 29, 6119-6128.	4.5	20
47	Influence of Sex on Relationship Between Total Anatomical and Physiologic Disease Burdens and Their Prognostic Implications in Patients With Coronary Artery Disease. Journal of the American Heart Association, 2019, 8, e011002.	3.7	12
48	Extensive Heterogeneity in the Meta-analysis of Hyperbaric Oxygen Therapy for Idiopathic Sudden Sensorineural Hearing Lossâ€”Reply. JAMA Otolaryngology - Head and Neck Surgery, 2019, 145, 484.	2.2	0
49	Diagnostic Agreement of Quantitative Flow Ratio With Fractional Flow Reserve and Instantaneous Waveâ€Free Ratio. Journal of the American Heart Association, 2019, 8, e011605.	3.7	42
50	Imaging and Physiological Assessment After Stent Implantation. Circulation: Cardiovascular Interventions, 2019, 12, e007718.	3.9	3
51	Comparison of Longâ€Term Clinical Outcome Between Multivessel Percutaneous Coronary Intervention Versus Infarctâ€Related Arteryâ€“Only Revascularization for Patients With STâ€Segmentâ€“Elevation Myocardial Infarction With Cardiogenic Shock. Journal of the American Heart Association, 2019, 8, e013870.	3.7	18
52	Prognostic Impact of Î²-Blocker Dose After Acute Myocardial Infarction. Circulation Journal, 2019, 83, 410-417.	1.6	32
53	Physiological and Clinical Assessment of Resting Physiological Indexes. Circulation, 2019, 139, 889-900.	1.6	90
54	Identification of High-Risk Plaques Destined to Cause Acute Coronary Syndrome Using Coronary Computed Tomographic Angiography and Computational FluidÂDynamics. JACC: Cardiovascular Imaging, 2019, 12, 1032-1043.	5.3	188

#	Article	IF	Citations
55	The Effects of Preoperative Aspirin on Coronary Artery Bypass Surgery: a Systematic Meta-Analysis. Korean Circulation Journal, 2019, 49, 498.	1.9	6
56	Influence of target vessel on prognostic relevance of fractional flow reserve after coronary stenting. EuroIntervention, 2019, 15, 457-464.	3.2	44
57	Differential Clinical Outcomes Between Angiographic Complete Versus Incomplete Coronary Revascularization, According to the Presence of Chronic Kidney Disease in the Drugâ€Eluting Stent Era. Journal of the American Heart Association, 2018, 7, .	3.7	6
58	Effects of Statin Intensity on Clinical Outcome in Acute Myocardial Infarction Patients. Circulation Journal, 2018, 82, 1112-1120.	1.6	18
59	Prognostic implication of thermodilution coronary flow reserve in patients with indeterminate pressure-bounded coronary flow reserve. International Journal of Cardiology, 2018, 261, 24-27.	1.7	1
60	Multivessel Percutaneous Coronary Intervention in Patients With ST-Segment Elevation Myocardial Infarction With Cardiogenic Shock. Journal of the American College of Cardiology, 2018, 71, 844-856.	2.8	77
61	Clinical Relevance of Functionally Insignificant Moderate Coronary Artery Stenosis Assessed by 3â€Vessel Fractional Flow Reserve Measurement. Journal of the American Heart Association, 2018, 7, .	3.7	9
62	Prognostic Implication of Functional Incomplete Revascularization and ResidualÂFunctional SYNTAX Score in Patients With Coronary Artery Disease. JACC: Cardiovascular Interventions, 2018, 11, 237-245.	2.9	51
63	Influence of Local Myocardial Damage onÂIndex of Microcirculatory Resistance and FractionalÂFlow Reserve in Target andÂNontarget Vascular Territories in aÂPorcine Microvascular InjuryÂModel. JACC: Cardiovascular Interventions, 2018, 11, 717-724.	2.9	43
64	Clinical implications of three-vessel fractional flow reserve measurement in patients with coronary artery disease. European Heart Journal, 2018, 39, 945-951.	2.2	68
65	Efficacy and safety of dual antiplatelet therapy after coronary stenting in patients with chronic kidney disease. American Heart Journal, 2018, 197, 103-112.	2.7	9
66	Addition of Hyperbaric Oxygen Therapy vs Medical Therapy Alone for Idiopathic Sudden Sensorineural Hearing Loss. JAMA Otolaryngology - Head and Neck Surgery, 2018, 144, 1153.	2.2	46
67	Prognostic Implications of RelativeÂIncrease and Final Fractional Flow Reserve in Patients With StentÂImplantation. JACC: Cardiovascular Interventions, 2018, 11, 2099-2109.	2.9	67
68	Fractional Flow Reserve and Instantaneous Wave-Free Ratio for Nonculprit Stenosis in Patients With Acute Myocardial Infarction. JACC: Cardiovascular Interventions, 2018, 11, 1848-1858.	2.9	28
69	Impact of Optimized Procedure-Related Factors in Drug-Eluting Balloon Angioplasty for Treatment of In-Stent Restenosis. JACC: Cardiovascular Interventions, 2018, 11, 969-978.	2.9	30
70	Prognostic Implication of ThermodilutionÂCoronary Flow Reserve in Patients Undergoing Fractional Flow ReserveÂMeasurement. JACC: Cardiovascular Interventions, 2018, 11, 1423-1433.	2.9	50
71	Outcomes in Patients with Diabetes Mellitus According to Insulin Treatment After Percutaneous Coronary Intervention in the Second-Generation Drug-Eluting Stent Era. American Journal of Cardiology, 2018, 121, 1505-1511.	1.6	26
72	Physiologic mechanism of discordance between instantaneous wave-free ratio and fractional flow reserve: Insight from 13 N-ammonium positron emission tomography. International Journal of Cardiology, 2017, 243, 91-94.	1.7	26

#	Article	IF	Citations
73	Diagnostic Performance of Resting and Hyperemic Invasive Physiological Indices to Define Myocardial Ischemia. JACC: Cardiovascular Interventions, 2017, 10, 751-760.	2.9	80
74	Comparison of outcomes after treatment of in-stent restenosis using newer generation drug-eluting stents versus drug-eluting balloon: Patient-level pooled analysis of Korean Multicenter in-Stent Restenosis Registry. International Journal of Cardiology, 2017, 230, 181-190.	1.7	22
75	Similarity and Difference of Resting DistalÂto Aortic Coronary Pressure andÂInstantaneous Wave-Free Ratio. Journal of the American College of Cardiology, 2017, 70, 2114-2123.	2.8	50
76	Exploring Coronary Circulatory Response to Stenosis and Its Association With Invasive Physiologic Indexes Using Absolute Myocardial Blood Flow and Coronary Pressure. Circulation, 2017, 136, 1798-1808.	1.6	39
77	Clinical Outcomes of Deferred Lesions With Angiographically Insignificant Stenosis But Low Fractional Flow Reserve. Journal of the American Heart Association, 2017, 6, .	3.7	14
78	Increased Risk of Atrial Fibrillation and Thromboembolism in Patients with Severe Psoriasis: a Nationwide Population-based Study. Scientific Reports, 2017, 7, 9973.	3.3	37
79	Discrepancy between fractional flow reserve and instantaneous wave-free ratio: Clinical and angiographic characteristics. International Journal of Cardiology, 2017, 245, 63-68.	1.7	53
80	Clinical Outcomes According to FractionalÂFlow Reserve or Instantaneous Wave-Free RatioÂinÂDeferred Lesions. JACC: Cardiovascular Interventions, 2017, 10, 2502-2510.	2.9	48
81	Clinical Relevance of ¹⁸ F-Sodium Fluoride Positron-Emission Tomography in Noninvasive Identification of High-Risk Plaque in Patients With Coronary Artery Disease. Circulation: Cardiovascular Imaging, 2017, 10, .	2.6	61
82	Impact of Longitudinal Lesion Geometry on Location of Plaque Rupture and ClinicalÂPresentations. JACC: Cardiovascular Imaging, 2017, 10, 677-688.	5.3	39
83	TCT-335 Clinical Implications of 3-Vessel Fractional Flow Reserve Measurement in Patients with Coronary Artery Disease. Journal of the American College of Cardiology, 2017, 70, B137-B138.	2.8	0
84	Physiologic Assessment of Coronary Artery Disease: Focus on Fractional Flow Reserve. Korean Journal of Radiology, 2016, 17, 307.	3.4	9
85	Response to Letter Regarding Article, â€œPercutaneous Coronary Intervention at Centers With and Without On-Site Surgical Backup: An Updated Meta-Analysis of 23 Studiesâ€• Circulation, 2016, 133, e407.	1.6	0
86	TCT-183 Deferred versus Conventional stent implantation in patients with acute ST-segment elevation myocardial infarction: an updated meta-analysis ofÂ10 Studies. Journal of the American College of Cardiology, 2016, 68, B75.	2.8	2
87	Integrated Myocardial Perfusion Imaging Diagnostics Improve Detection of Functionally Significant Coronary Artery Stenosis by ¹³ N-ammonia Positron Emission Tomography. Circulation: Cardiovascular Imaging, 2016, 9, .	2.6	67
88	Chronic Kidney Disease in the Second-Generation Drug-Eluting Stent Era. JACC: Cardiovascular Interventions, 2016, 9, 2097-2109.	2.9	61
89	Coronary Flow Reserve and Microcirculatory Resistance in Patients With Intermediate Coronary Stenosis. Journal of the American College of Cardiology, 2016, 67, 1158-1169.	2.8	255
90	Percutaneous Coronary Intervention at Centers With and Without On-Site Surgical Backup. Circulation, 2015, 132, 388-401.	1.6	27