

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	Coronary Flow Reserve and Microcirculatory Resistance in Patients With Intermediate Coronary Stenosis. <i>Journal of the American College of Cardiology</i> , 2016, 67, 1158-1169.	2.8	255
2	Identification of High-Risk Plaques Destined to Cause Acute Coronary Syndrome Using Coronary Computed Tomographic Angiography and Computational Fluid Dynamics. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 1032-1043.	5.3	188
3	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. <i>Lancet, The</i> , 2020, 396, 1079-1089.	13.7	125
4	Prognostic Implications of Plaque Characteristics and Stenosis Severity in Patients With Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2019, 73, 2413-2424.	2.8	115
5	Prognostic Implications of Door-to-Balloon Time and Onset-to-Door Time on Mortality in Patients With ST-Segment Elevation Myocardial Infarction Treated With Primary Percutaneous Coronary Intervention. <i>Journal of the American Heart Association</i> , 2019, 8, e012188.	3.7	115
6	Physiological and Clinical Assessment of Resting Physiological Indexes. <i>Circulation</i> , 2019, 139, 889-900.	1.6	90
7	Diagnostic Performance of Resting and Hyperemic Invasive Physiological Indices to Define Myocardial Ischemia. <i>JACC: Cardiovascular Interventions</i> , 2017, 10, 751-760.	2.9	80
8	Multivessel Percutaneous Coronary Intervention in Patients With ST-Segment Elevation Myocardial Infarction With Cardiogenic Shock. <i>Journal of the American College of Cardiology</i> , 2018, 71, 844-856.	2.8	77
9	Clinical implications of three-vessel fractional flow reserve measurement in patients with coronary artery disease. <i>European Heart Journal</i> , 2018, 39, 945-951.	2.2	68
10	Integrated Myocardial Perfusion Imaging Diagnostics Improve Detection of Functionally Significant Coronary Artery Stenosis by ¹³ N-ammonia Positron Emission Tomography. <i>Circulation: Cardiovascular Imaging</i> , 2016, 9, .	2.6	67
11	Prognostic Implications of Relative Increase and Final Fractional Flow Reserve in Patients With Stent Implantation. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 2099-2109.	2.9	67
12	Chronic Kidney Disease in the Second-Generation Drug-Eluting Stent Era. <i>JACC: Cardiovascular Interventions</i> , 2016, 9, 2097-2109.	2.9	61
13	Clinical Relevance of ¹⁸ F-Sodium Fluoride Positron-Emission Tomography in Noninvasive Identification of High-Risk Plaque in Patients With Coronary Artery Disease. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	2.6	61
14	Physiologic Characteristics and Clinical Outcomes of Patients With Discordance Between FFR and iFR. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, 2018-2031.	2.9	56
15	Discrepancy between fractional flow reserve and instantaneous wave-free ratio: Clinical and angiographic characteristics. <i>International Journal of Cardiology</i> , 2017, 245, 63-68.	1.7	53
16	Prognostic Implication of Functional Incomplete Revascularization and Residual Functional SYNTAX Score in Patients With Coronary Artery Disease. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 237-245.	2.9	51
17	Similarity and Difference of Resting Distal Aortic Coronary Pressure and Instantaneous Wave-Free Ratio. <i>Journal of the American College of Cardiology</i> , 2017, 70, 2114-2123.	2.8	50
18	Prognostic Implication of Thermodilution Coronary Flow Reserve in Patients Undergoing Fractional Flow Reserve Measurement. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 1423-1433.	2.9	50

#	ARTICLE	IF	CITATIONS
19	Clinical Outcomes According to Fractional Flow Reserve or Instantaneous Wave-Free Ratio in Deferred Lesions. <i>JACC: Cardiovascular Interventions</i> , 2017, 10, 2502-2510.	2.9	48
20	Addition of Hyperbaric Oxygen Therapy vs Medical Therapy Alone for Idiopathic Sudden Sensorineural Hearing Loss. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2018, 144, 1153.	2.2	46
21	CT Angiographic and Plaque Predictors of Functionally Significant Coronary Disease and Outcome Using Machine Learning. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 629-641.	5.3	46
22	Influence of target vessel on prognostic relevance of fractional flow reserve after coronary stenting. <i>EuroIntervention</i> , 2019, 15, 457-464.	3.2	44
23	Influence of Local Myocardial Damage on Index of Microcirculatory Resistance and Fractional Flow Reserve in Target and Nontarget Vascular Territories in a Porcine Microvascular Injury Model. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 717-724.	2.9	43
24	Diagnostic Agreement of Quantitative Flow Ratio With Fractional Flow Reserve and Instantaneous Wave-Free Ratio. <i>Journal of the American Heart Association</i> , 2019, 8, e011605.	3.7	42
25	Markers of Myocardial Damage Predict Mortality in Patients With Aortic Stenosis. <i>Journal of the American College of Cardiology</i> , 2021, 78, 545-558.	2.8	41
26	Exploring Coronary Circulatory Response to Stenosis and Its Association With Invasive Physiologic Indexes Using Absolute Myocardial Blood Flow and Coronary Pressure. <i>Circulation</i> , 2017, 136, 1798-1808.	1.6	39
27	Impact of Longitudinal Lesion Geometry on Location of Plaque Rupture and Clinical Presentations. <i>JACC: Cardiovascular Imaging</i> , 2017, 10, 677-688.	5.3	39
28	Increased Risk of Atrial Fibrillation and Thromboembolism in Patients with Severe Psoriasis: a Nationwide Population-based Study. <i>Scientific Reports</i> , 2017, 7, 9973.	3.3	37
29	Clinical Outcome of Lesions With Discordant Results Among Different Invasive Physiologic Indices—Resting Distal Coronary to Aortic Pressure Ratio, Resting Full-Cycle Ratio, Diastolic Pressure Ratio, Instantaneous Wave-Free Ratio, and Fractional Flow Reserve. <i>Circulation Journal</i> , 2019, 83, 2210-2221.	1.6	37
30	Role of Post-Stent Physiological Assessment in a Risk Prediction Model After Coronary Stent Implantation. <i>JACC: Cardiovascular Interventions</i> , 2020, 13, 1639-1650.	2.9	36
31	Durable Polymer Versus Biodegradable Polymer Drug-Eluting Stents After Percutaneous Coronary Intervention in Patients with Acute Coronary Syndrome. <i>Circulation</i> , 2021, 143, 1081-1091.	1.6	33
32	Prognostic Impact of β -Blocker Dose After Acute Myocardial Infarction. <i>Circulation Journal</i> , 2019, 83, 410-417.	1.6	32
33	Impact of Optimized Procedure-Related Factors in Drug-Eluting Balloon Angioplasty for Treatment of In-Stent Restenosis. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 969-978.	2.9	30
34	Prognostic Implications of Resistive Reserve Ratio in Patients With Coronary Artery Disease. <i>Journal of the American Heart Association</i> , 2020, 9, e015846.	3.7	29
35	Fractional Flow Reserve and Instantaneous Wave-Free Ratio for Nonculprit Stenosis in Patients With Acute Myocardial Infarction. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 1848-1858.	2.9	28
36	Percutaneous Coronary Intervention at Centers With and Without On-Site Surgical Backup. <i>Circulation</i> , 2015, 132, 388-401.	1.6	27

#	ARTICLE	IF	CITATIONS
37	Physiologic mechanism of discordance between instantaneous wave-free ratio and fractional flow reserve: Insight from 13 N-ammonium positron emission tomography. <i>International Journal of Cardiology</i> , 2017, 243, 91-94.	1.7	26
38	Outcomes in Patients with Diabetes Mellitus According to Insulin Treatment After Percutaneous Coronary Intervention in the Second-Generation Drug-Eluting Stent Era. <i>American Journal of Cardiology</i> , 2018, 121, 1505-1511.	1.6	26
39	Automated Algorithm Using Pre-Intervention Fractional Flow Reserve Pullback Curve to Predict Post-Intervention Physiological Results. <i>JACC: Cardiovascular Interventions</i> , 2020, 13, 2670-2684.	2.9	26
40	Physiological Distribution and Local Severity of Coronary Artery Disease and Outcomes After Percutaneous Coronary Intervention. <i>JACC: Cardiovascular Interventions</i> , 2021, 14, 1771-1785.	2.9	26
41	Prognostic Implications of Post-Intervention Resting Pd/Pa and Fractional Flow Reserve in Patients With Stent Implantation. <i>JACC: Cardiovascular Interventions</i> , 2020, 13, 1920-1933.	2.9	23
42	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. <i>International Journal of Cardiology</i> , 2017, 230, 181-190.	1.7	22
43	Relevance of anatomical, plaque, and hemodynamic characteristics of non-obstructive coronary lesions in the prediction of risk for acute coronary syndrome. <i>European Radiology</i> , 2019, 29, 6119-6128.	4.5	20
44	Long-Term Clinical Outcomes of Nonhyperemic Pressure Ratios: Resting Full-Cycle Ratio, Diastolic Pressure Ratio, and Instantaneous Wave-Free Ratio. <i>Journal of the American Heart Association</i> , 2020, 9, e016818.	3.7	19
45	Effects of Statin Intensity on Clinical Outcome in Acute Myocardial Infarction Patients. <i>Circulation Journal</i> , 2018, 82, 1112-1120.	1.6	18
46	Comparison of Long-Term Clinical Outcome Between Multivessel Percutaneous Coronary Intervention Versus Infarct-Related Artery-Only Revascularization for Patients With ST-Segment Elevation Myocardial Infarction With Cardiogenic Shock. <i>Journal of the American Heart Association</i> , 2019, 8, e013870.	3.7	18
47	Clinical relevance and prognostic implications of contrast quantitative flow ratio in patients with coronary artery disease. <i>International Journal of Cardiology</i> , 2021, 325, 23-29.	1.7	17
48	Prognostic Impact of Residual Anatomic Disease Burden After Functionally Complete Revascularization. <i>Circulation: Cardiovascular Interventions</i> , 2020, 13, e009232.	3.9	16
49	High-Risk Morphological and Physiological Coronary Disease Attributes as Outcome Markers After Medical Treatment and Revascularization. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 1977-1989.	5.3	16
50	Topological Data Analysis of Coronary Plaques Demonstrates the Natural History of Coronary Atherosclerosis. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 1410-1421.	5.3	16
51	Feasibility of Quantitative Flow Ratio-Derived Pullback Pressure Gradient Index and Its Impact on Diagnostic Performance. <i>JACC: Cardiovascular Interventions</i> , 2021, 14, 353-355.	2.9	15
52	Clinical Outcomes of Deferred Lesions With Angiographically Insignificant Stenosis But Low Fractional Flow Reserve. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	14
53	Physiologic Assessment after Coronary Stent Implantation. <i>Korean Circulation Journal</i> , 2021, 51, 189.	1.9	14
54	Influence of Sex on Relationship Between Total Anatomical and Physiologic Disease Burdens and Their Prognostic Implications in Patients With Coronary Artery Disease. <i>Journal of the American Heart Association</i> , 2019, 8, e011002.	3.7	12

#	ARTICLE	IF	CITATIONS
55	Association of Quantitative Flow Ratio with Lesion Severity and Its Ability to Discriminate Myocardial Ischemia. Korean Circulation Journal, 2021, 51, 126.	1.9	12
56	Sex Differences in Long-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
57	Physiologic Assessment of Coronary Artery Disease: Focus on Fractional Flow Reserve. Korean Journal of Radiology, 2016, 17, 307.	3.4	9
58	Clinical Relevance of Functionally Insignificant Moderate Coronary Artery Stenosis Assessed by Vessel Fractional Flow Reserve Measurement. Journal of the American Heart Association, 2018, 7, .	3.7	9
59	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
60	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
61	Better Prognosis After Complete Revascularization Using Contemporary Coronary Stents in Patients With Chronic Kidney Disease. Circulation: Cardiovascular Interventions, 2019, 12, e007907.	3.9	9
62	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
63	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
64	Prasugrel Dose De-escalation Therapy After Complex Percutaneous Coronary Intervention in Patients With Acute Coronary Syndrome. JAMA Cardiology, 2022, 7, 418.	6.1	9
65	Clinical and Prognostic Impact From Objective Analysis of Post-Angioplasty Fractional Flow Reserve Pullback. JACC: Cardiovascular Interventions, 2021, 14, 1888-1900.	2.9	8
66	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
67	Differential Clinical Outcomes Between Angiographic Complete Versus Incomplete Coronary Revascularization, According to the Presence of Chronic Kidney Disease in the Drug-eluting Stent Era. Journal of the American Heart Association, 2018, 7, .	3.7	6
68	The Effects of Preoperative Aspirin on Coronary Artery Bypass Surgery: a Systematic Meta-Analysis. Korean Circulation Journal, 2019, 49, 498.	1.9	6
69	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
70	Imaging and Physiological Assessment After Stent Implantation. Circulation: Cardiovascular Interventions, 2019, 12, e007718.	3.9	3
71	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
72	Dynamic cardiac PET motion correction using 3D normalized gradient fields in patients and phantom simulations. Medical Physics, 2021, 48, 5072-5084.	3.0	3

#	ARTICLE	IF	CITATIONS
73	Differential Prognostic Implications of Pre- and Post-Stent Fractional Flow Reserve in Patients Undergoing Percutaneous Coronary Intervention. <i>Korean Circulation Journal</i> , 2022, 52, 47.	1.9	3
74	Differential Prognostic Value of Revascularization for Coronary Stenosis With Intermediate FFR by Coronary Flow Reserve. <i>JACC: Cardiovascular Interventions</i> , 2022, 15, 1033-1043.	2.9	3
75	TCT-183 Deferred versus Conventional stent implantation in patients with acute ST-segment elevation myocardial infarction: an updated meta-analysis of 10 Studies. <i>Journal of the American College of Cardiology</i> , 2016, 68, B75.	2.8	2
76	Diagnostic Performance of Nonhyperemic Pressure Ratios Assessed by ¹³ N-Ammonium Positron Emission Tomography. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, 1517-1518.	2.9	2
77	Prognostic implications of coronary physiological indices in patients with diabetes mellitus. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2021, 74, 682-690.	0.6	2
78	Residual functional SYNTAX score by quantitative flow ratio and improvement of exercise capacity after revascularization. <i>Catheterization and Cardiovascular Interventions</i> , 2021, 97, E454-E466.	1.7	2
79	The Effect of Locally Administered Fibrinolytic Drugs Following Aneurysmal Subarachnoid Hemorrhage : A Meta-Analysis with Eight Randomized Controlled Studies. <i>Journal of Korean Neurosurgical Society</i> , 2021, 64, 207-216.	1.2	2
80	Effect of Coronary Disease Characteristics on Prognostic Relevance of Residual Ischemia After Stent Implantation. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 696756.	2.4	2
81	Angiographic complete revascularization versus incomplete revascularization in patients with diabetes mellitus. <i>Cardiovascular Diabetology</i> , 2022, 21, 56.	6.8	2
82	Prognostic implication of thermodilution coronary flow reserve in patients with indeterminate pressure-bounded coronary flow reserve. <i>International Journal of Cardiology</i> , 2018, 261, 24-27.	1.7	1
83	Clinically viable myocardial CCTA segmentation for measuring vessel-specific myocardial blood flow from dynamic PET/CCTA hybrid fusion. <i>European Journal of Hybrid Imaging</i> , 2022, 6, 4.	1.5	1
84	Response to Letter Regarding Article, "Percutaneous Coronary Intervention at Centers With and Without On-Site Surgical Backup: An Updated Meta-Analysis of 23 Studies". <i>Circulation</i> , 2016, 133, e407.	1.6	0
85	TCT-335 Clinical Implications of 3-Vessel Fractional Flow Reserve Measurement in Patients with Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2017, 70, B137-B138.	2.8	0
86	TCT-195 Anatomical Attributes of Myocardial Territory of Diagonal Branches Assessed by Coronary Computed Tomography Angiography. <i>Journal of the American College of Cardiology</i> , 2019, 74, B194.	2.8	0
87	TCT-585 Prognostic Implications of Coronary Physiologic Indices in Deferred Coronary Artery Lesions With Diabetes Mellitus. <i>Journal of the American College of Cardiology</i> , 2019, 74, B576.	2.8	0
88	Extensive Heterogeneity in the Meta-analysis of Hyperbaric Oxygen Therapy for Idiopathic Sudden Sensorineural Hearing Loss—Reply. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2019, 145, 484.	2.2	0
89	Non-invasive vs. Invasive Functional Tests after Coronary Stent Implantation. <i>Korean Circulation Journal</i> , 2021, 51, 549.	1.9	0
90	Determination of [¹³ N]-ammonia extraction fraction in patients with coronary artery disease by calibration to invasive coronary and fractional flow reserve. <i>Journal of Nuclear Cardiology</i> , 2022, 29, 2210-2219.	2.1	0