Bon-Kwon Koo

List of Publications by Year
in descending order

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304 papers	13,216 citations	34016 52 h-index	28224 105 g-index
313 all docs	313 docs citations	313 times ranked	7781 citing authors

#	Article	IF	Citations
1	AI Evaluation of Stenosis on Coronary CTA, Comparison With Quantitative Coronary Angiography and Fractional Flow Reserve. JACC: Cardiovascular Imaging, 2023, 16, 193-205.	2.3	46
2	Definitions and Standardized Endpoints for Treatment of Coronary Bifurcations. EuroIntervention, 2023, 19, e807-e831.	1.4	5
3	Difference in basic concept of coronary bifurcation intervention between Korea and Japan. Insight from questionnaire in experts of Korean and Japanese bifurcation clubs. Cardiovascular Intervention and Therapeutics, 2022, 37, 89-100.	1.2	6
4	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.	1.4	0
5	Differential Prognostic Implications of Pre- and Post-Stent Fractional Flow Reserve in Patients Undergoing Percutaneous Coronary Intervention. Korean Circulation Journal, 2022, 52, 47.	0.7	3
6	Differential Prognostic Impact of Off-Hours for Patients With Acute Myocardial Infarction Complicated by Cardiogenic Shock. , 2022, 1, 7.		0
7	Prasugrel-based De-Escalation of Dual Antiplatelet Therapy After Percutaneous Coronary Intervention in Patients With STEMI. Korean Circulation Journal, 2022, 52, 304.	0.7	7
8	Association between patient age, microcirculation, and coronary stenosis assessment with fractional flow reserve and instantaneous waveâ€free ratio. Catheterization and Cardiovascular Interventions, 2022, 99, 1104-1114.	0.7	3
9	The effect of scan and patient parameters on the diagnostic performance of AI for detecting coronary stenosis on coronary CT angiography. Clinical Imaging, 2022, 84, 149-158.	0.8	4
10	Clinical Results of Drug-Coated Balloon Treatment in a Large-Scale Multicenter Korean Registry Study. Korean Circulation Journal, 2022, 52, .	0.7	3
11	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.	0.6	1
12	Effect of Wire Jailing at Side Branch in 1-Stent Strategy for Coronary BifurcationÂLesions. JACC: Cardiovascular Interventions, 2022, 15, 443-455.	1.1	7
13	Prasugrel Dose De-escalation Therapy After Complex Percutaneous Coronary Intervention in Patients With Acute Coronary Syndrome. JAMA Cardiology, 2022, 7, 418.	3.0	9
14	Impact of Left Ventricular Ejection Fraction on Procedural and Long-Term Outcomes of Bifurcation Percutaneous Coronary Intervention. American Journal of Cardiology, 2022, 172, 18-25.	0.7	4
15	An automated software for real-time quantification of wall shear stress distribution in quantitative coronary angiography data. International Journal of Cardiology, 2022, , .	0.8	4
16	Interactions Between Morphological Plaque Characteristics and CoronaryÂPhysiology. JACC: Cardiovascular Imaging, 2022, 15, 1139-1151.	2.3	19
17	The Clinical Impact of Î²-Blocker Therapy on Patients With Chronic Coronary Artery Disease After Percutaneous Coronary Intervention. Korean Circulation Journal, 2022, 52, 544.	0.7	2
18	Coronary CTA With AI-QCT Interpretation: Comparison With Myocardial Perfusion Imaging for Detection of Obstructive Stenosis Using Invasive Angiography as Reference Standard. American Journal of Roentgenology, 2022, 219, 407-419.	1.0	14

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19	Angiographic complete revascularization versus incomplete revascularization in patients with diabetes mellitus. Cardiovascular Diabetology, 2022, 21, 56.	2.7	2
20	Differential Prognostic Value of Revascularization for Coronary Stenosis With Intermediate FFR by Coronary FlowÂReserve. JACC: Cardiovascular Interventions, 2022, 15, 1033-1043.	1.1	3
21	Clinical Relevance of Ischemia with Nonobstructive Coronary Arteries According to Coronary Microvascular Dysfunction. Journal of the American Heart Association, 2022, 11, e025171.	1.6	19
22	Combined Assessment of FFR and CFRÂfor Decision Making in CoronaryÂRevascularization. JACC: Cardiovascular Interventions, 2022, 15, 1047-1056.	1.1	10
23	Doppler vs Thermodilution for Coronary Flow Reserve. JACC: Cardiovascular Interventions, 2022, 15, 1071-1073.	1.1	0
24	Differential Impact of Coronary Revascularization on Long-Term Clinical Outcome According to Coronary Flow Characteristics: Analysis of the International ILIAS Registry. Circulation: Cardiovascular Interventions, 2022, 15, .	1.4	1
25	Prognostic implications of coronary physiological indices in patients with diabetes mellitus. Revista Espanola De Cardiologia (English Ed), 2021, 74, 682-690.	0.4	2
26	Impact of stent designs of <scp>secondâ€generation drugâ€eluting</scp> stents on longâ€term outcomes in coronary bifurcation lesions. Catheterization and Cardiovascular Interventions, 2021, 98, 458-467.	0.7	1
27	Residual functional SYNTAX score by quantitative flow ratio and improvement of exercise capacity after revascularization. Catheterization and Cardiovascular Interventions, 2021, 97, E454-E466.	0.7	2
28	Clinical relevance and prognostic implications of contrast quantitative flow ratio in patients with coronary artery disease. International Journal of Cardiology, 2021, 325, 23-29.	0.8	17
29	CT Angiographic and Plaque Predictors of Functionally Significant Coronary Disease and Outcome Using Machine Learning. JACC: Cardiovascular Imaging, 2021, 14, 629-641.	2.3	46
30	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
31	Efficacy of coronary imaging on bifurcation intervention. Cardiovascular Intervention and Therapeutics, 2021, 36, 54-66.	1.2	13
32	Non-invasive vs. Invasive Functional Tests after Coronary Stent Implantation. Korean Circulation Journal, 2021, 51, 549.	0.7	0
33	Sex-related impact on clinical outcomes of patients treated with drug-eluting stents according to clinical presentation: Patient-level pooled analysis from the GRAND-DES registry. Cardiology Journal, 2021, , .	0.5	2
34	Association Between Low Muscle Mass and Prognosis of Patients With Coronary Artery Disease Undergoing Percutaneous Coronary Intervention. Journal of the American Heart Association, 2021, 10, e018554.	1.6	8
35	Procedural optimization of <scp>drugâ€coated</scp> balloons in the treatment of coronary artery disease. Catheterization and Cardiovascular Interventions, 2021, 98, E43-E52.	0.7	8
36	Coronary Artery Lumen Segmentation Using Locationâ€“Adaptive Threshold in Coronary Computed Tomographic Angiography: A Proof-of-Concept. Korean Journal of Radiology, 2021, 22, 688.	1.5	9

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37	Relative Impact of Clinical Risk Versus Procedural Risk on Clinical Outcomes After Percutaneous Coronary Intervention. Circulation: Cardiovascular Interventions, 2021, 14, e009642.	1.4	13
38	Feasibility of Quantitative Flow Ratioâ€“Derived Pullback Pressure Gradient Index and Its Impact on Diagnostic Performance. JACC: Cardiovascular Interventions, 2021, 14, 353-355.	1.1	15
39	Progression of ascending aortopathy may not occur after transcatheter aortic valve replacement in severe bicuspid aortic stenosis. Korean Journal of Internal Medicine, 2021, 36, 332-341.	0.7	6
40	Clinical outcomes of long stenting in the drug-eluting stent era: patient-level pooled analysis from the GRAND-DES registry. EuroIntervention, 2021, 16, 1318-1325.	1.4	19
41	Rationale and design of the precise percutaneous coronary intervention plan (<scp>P3</scp>) study: Prospective evaluation of a virtual computed tomographyâ€based percutaneous intervention planner. Clinical Cardiology, 2021, 44, 446-454.	0.7	14
42	Clinical Implications of Physiologic Assessment After Stenting. Circulation: Cardiovascular Interventions, 2021, 14, e010592.	1.4	0
43	Long-term efficacy of vasodilating Î²-blocker in patients with acute myocardial infarction: nationwide multicenter prospective registry. Korean Journal of Internal Medicine, 2021, 36, S62-S71.	0.7	3
44	Left Ventricular Ejection Fraction 1 Year After Acute Myocardial Infarction Identifies the Benefits of the Long-Term Use of Î²-Blockers. Circulation: Cardiovascular Interventions, 2021, 14, e010159.	1.4	10
45	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.	1.6	3
46	The validation of the dual antiplatelet therapy score in East Asians receiving percutaneous coronary intervention with exclusively second generation drugâ€eluting stents. Catheterization and Cardiovascular Interventions, 2021, 98, E332-E341.	0.7	1
47	Wall shear stress estimated by 3D-QCA can predict cardiovascular events in lesions with borderline negative fractional flow reserve. Atherosclerosis, 2021, 322, 24-30.	0.4	21
48	High-Risk Morphological and Physiological Coronary Disease Attributes as Outcome Markers After Medical Treatment and Revascularization. JACC: Cardiovascular Imaging, 2021, 14, 1977-1989.	2.3	16
49	Characteristic findings of microvascular dysfunction on coronary computed tomography angiography in patients with intermediate coronary stenosis. European Radiology, 2021, 31, 9198-9210.	2.3	9
50	Immediate Compared With Delayed Percutaneous Coronary Intervention for Patients With ST-Segmentâ€“Elevation Myocardial Infarction Presenting â‰¥12 Hours After Symptom Onset Is Not Associated With Improved Clinical Outcome. Circulation: Cardiovascular Interventions, 2021, 14, e009863.	1.4	5
51	Prognostic value of pericoronary inflammation and unsupervised machine-learning-defined phenotypic clustering of CT angiographic findings. International Journal of Cardiology, 2021, 333, 226-232.	0.8	12
52	Comparison of 2-Stenting Strategies Depending on Sequence or Technique for Bifurcation Lesions in the Second-Generation Drug-Eluting Stent Eraã€€â€• Analysis From the COBIS (Coronary Bifurcation) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.4	5
53	Aspirin versus clopidogrel for chronic maintenance monotherapy after percutaneous coronary intervention (HOST-EXAM): an investigator-initiated, prospective, randomised, open-label, multicentre trial. Lancet, The, 2021, 397, 2487-2496.	6.3	162
54	Prognostic Implications of Comprehensive Whole Vessel Plaque Quantification Using Coronary Computed Tomography Angiography. JACC Asia, 2021, 1, 37-48.	0.5	7

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55	Provisional drug-coated balloon treatment guided by physiology on de novo coronary lesion. Cardiology Journal, 2021, 28, 615-622.	0.5	6
56	Differential Factors for Predicting Outcomes in Left Main versus Non-Left Main Coronary Bifurcation Stenting. Journal of Clinical Medicine, 2021, 10, 3024.	1.0	4
57	Dynamic cardiac PET motion correction using 3D normalized gradient fields in patients and phantom simulations. Medical Physics, 2021, 48, 5072-5084.	1.6	3
58	Coronary microcirculation assessment using functional angiography: Development of a wireâ€free method applicable to conventional coronary angiograms. Catheterization and Cardiovascular Interventions, 2021, 98, 1027-1037.	0.7	32
59	Physiological Distribution and Local Severity of Coronary Artery Disease andÂOutcomes After Percutaneous Coronary Intervention. JACC: Cardiovascular Interventions, 2021, 14, 1771-1785.	1.1	26
60	Time Course and Risk Factors of New-Onset Complete Atrioventricular Block After Transcatheter Aortic Valve Implantation. International Heart Journal, 2021, 62, 988-996.	0.5	2
61	Look at the Moon, Not the Finger PointingÂto It. JACC: Cardiovascular Interventions, 2021, 14, 1914-1916.	1.1	0
62	A Simple Method for Automatic 3D Reconstruction of Coronary Arteries From X-Ray Angiography. Frontiers in Physiology, 2021, 12, 724216.	1.3	2
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.	1.1	9
64	Tenâ€Year Trends in Coronary Bifurcation Percutaneous Coronary Intervention: Prognostic Effects of Patient and Lesion Characteristics, Devices, and Techniques. Journal of the American Heart Association, 2021, 10, e021632.	1.6	10
65	Clinical and Prognostic Impact From Objective Analysis of Post-Angioplasty Fractional FlowÂReserve Pullback. JACC: Cardiovascular Interventions, 2021, 14, 1888-1900.	1.1	8
66	Benefit of Extended Dual Antiplatelet Therapy Duration in Acute Coronary Syndrome Patients Treated with Drug Eluting Stents for Coronary Bifurcation Lesions (from the BIFURCAT Registry). American Journal of Cardiology, 2021, 156, 16-23.	0.7	8
67	Incidence and Predictors of Stent Thrombosis in Patients Treated with Stents for Coronary Bifurcation Narrowing (From the BIFURCAT Registry). American Journal of Cardiology, 2021, 156, 24-31.	0.7	4
68	Topological Data Analysis of Coronary Plaques Demonstrates the Natural History of Coronary Atherosclerosis. JACC: Cardiovascular Imaging, 2021, 14, 1410-1421.	2.3	16
69	Association of Quantitative Flow Ratio with Lesion Severity and Its Ability to Discriminate Myocardial Ischemia. Korean Circulation Journal, 2021, 51, 126.	0.7	12
70	Physiologic Assessment after Coronary Stent Implantation. Korean Circulation Journal, 2021, 51, 189.	0.7	14
71	Association Between Thrombogenicity Indices and Coronary Microvascular Dysfunction in Patients With Acute Myocardial Infarction. JACC Basic To Translational Science, 2021, 6, 749-761.	1.9	10
72	Vital signal sensing and manipulation of a microscale organ with a multifunctional soft gripper. Science Robotics, 2021, 6, eabi6774.	9.9	38

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73	Percutaneous Treatment of Unprotected Left Main Disease With Thin-Strut Durable-Polymer or Early Generation Thicker-Strutted and Coated Bioabsorbable-Polymer Drug-Eluting Stents in a Large-Scale Registry. Cardiovascular Revascularization Medicine, 2021, 32, 43-49.	0.3	0
74	Aspirin versus clopidogrel after percutaneous coronary intervention â€“ Authors' reply. Lancet, The, 2021, 398, 1685-1686.	6.3	0
75	Relationship of age, atherosclerosis and angiographic stenosis using artificial intelligence. Open Heart, 2021, 8, e001832.	0.9	5
76	Impact of Systemic Inflammatory Response Syndrome on Clinical, Echocardiographic, and Computed Tomographic Outcomes Among Patients Undergoing Transcatheter Aortic Valve Implantation. Frontiers in Cardiovascular Medicine, 2021, 8, 746774.	1.1	0
77	Effect of Coronary Disease Characteristics on Prognostic Relevance of Residual Ischemia After Stent Implantation. Frontiers in Cardiovascular Medicine, 2021, 8, 696756.	1.1	2
78	Complete regression of coronary atherosclerosis. European Heart Journal, 2020, 41, 332-332.	1.0	2
79	Vessel-specific quantification of absolute myocardial blood flow, myocardial flow reserve and relative flow reserve by means of fused dynamic 13NH3 PET and CCTA: Ranges in a low-risk population and abnormality criteria. Journal of Nuclear Cardiology, 2020, 27, 1756-1769.	1.4	11
80	Instantaneous wave-free ratio-guided paclitaxel-coated balloon treatment for de novo coronary lesions. International Journal of Cardiovascular Imaging, 2020, 36, 179-185.	0.7	3
81	Clinical implication of 18F-NaF PET/computed tomography indexes of aortic calcification in coronary artery disease patients: correlations with cardiovascular risk factors. Nuclear Medicine Communications, 2020, 41, 58-64.	0.5	3
82	Intravascular ultrasound or optical coherence tomography-defined anatomic severity and hemodynamic severity assessed by coronary physiologic indices. Revista Espanola De Cardiologia (English Ed), 2020, 73, 812-821.	0.4	6
83	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.	0.8	5
84	Comparison of fractional myocardial mass, a vessel-specific myocardial mass-at-risk, with coronary angiographic scoring systems for predicting myocardial ischemia. Journal of Cardiovascular Computed Tomography, 2020, 14, 322-329.	0.7	0
85	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.	1.6	19
86	Influence of Anatomical and Clinical Characteristics on Long-Term Prognosis of FFR-Guided Deferred Coronary Lesions. JACC: Cardiovascular Interventions, 2020, 13, 1907-1916.	1.1	14
87	Automated Algorithm Using Pre-Intervention Fractional FlowÂReserveÂPullback Curve to Predict Post-Intervention Physiological Results. JACC: Cardiovascular Interventions, 2020, 13, 2670-2684.	1.1	26
88	Role of Post-Stent Physiological Assessment in a Risk Prediction Model After Coronary Stent Implantation. JACC: Cardiovascular Interventions, 2020, 13, 1639-1650.	1.1	36
89	Gravedad de la enfermedad coronaria definida por ultrasonido intravascular o tomografÃa de coherencia Ã³ptica y su relaciÃ³n con los Ãndices fisiolÃ³gicos. Revista Espanola De Cardiologia, 2020, 73, 812-821.	0.6	6
90	Clinical Implications of Bifurcation Angles in Left Main Bifurcation Intervention Using a Two-Stent Technique. Journal of Interventional Cardiology, 2020, 2020, 1-12.	0.5	3

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91	Optimal Dose and Type of Î²-blockers in Patients With Acute Coronary Syndrome Undergoing Percutaneous Coronary Intervention. American Journal of Cardiology, 2020, 137, 12-19.	0.7	3
92	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.	6.3	125
93	Impact of Intensive Glucose Control in Patients with Diabetes Mellitus Undergoing Percutaneous Coronary Intervention: 3-Year Clinical Outcomes. Journal of Clinical Medicine, 2020, 9, 2464.	1.0	2
94	Prognostic Impact of Residual Anatomic Disease Burden After Functionally Complete Revascularization. Circulation: Cardiovascular Interventions, 2020, 13, e009232.	1.4	16
95	Stress Myocardial Perfusion Imaging vs Coronary Computed Tomographic Angiography for Diagnosis of Invasive Vessel-Specific Coronary Physiology. JAMA Cardiology, 2020, 5, 1338.	3.0	55
96	Optimal Oversizing Index Depending on Valve Type and Leakage-Proof Function for Preventing Paravalvular Leakage after Transcatheter Aortic Valve Implantation. Journal of Clinical Medicine, 2020, 9, 3936.	1.0	5
97	Non-hyperaemic coronary pressure measurements to guide coronary interventions. Nature Reviews Cardiology, 2020, 17, 629-640.	6.1	18
98	Diagnostic Utility and Pathogenic Role of Circulating MicroRNAs in Vasospastic Angina. Journal of Clinical Medicine, 2020, 9, 1313.	1.0	4
99	Defining heterogeneity of epicardial functional stenosis with low coronary flow reserve by unsupervised machine learning. Heart and Vessels, 2020, 35, 1527-1536.	0.5	2
100	European Bifurcation Club white paper on stenting techniques for patients with bifurcated coronary artery lesions. Catheterization and Cardiovascular Interventions, 2020, 96, 1067-1079.	0.7	57
101	Safety and Efficacy of Second-Generation Drug-Eluting Stents in Real-World Practice: Insights from the Multicenter Grand-DES Registry. Journal of Interventional Cardiology, 2020, 2020, 1-9.	0.5	7
102	Efficacy and Safety of Long-Term and Short-Term Dual Antiplatelet Therapy: A Meta-Analysis of Comparison between Asians and Non-Asians. Journal of Clinical Medicine, 2020, 9, 652.	1.0	10
103	Effect of Sex Difference of CoronaryÂMicrovascular Dysfunction on Long-Term Outcomes in Deferred Lesions. JACC: Cardiovascular Interventions, 2020, 13, 1669-1679.	1.1	20
104	Rationale and design of the quantification of myocardial blood flow using dynamic PET/CTA-fused imagery (DEMYSTIFY) to determine physiological significance of specific coronary lesions. Journal of Nuclear Cardiology, 2020, 27, 1030-1039.	1.4	6
105	Prognostic Effects of Treatment Strategies for Left Main Versus Non-Left Main Bifurcation Percutaneous Coronary Intervention With Current-Generation Drug-Eluting Stent. Circulation: Cardiovascular Interventions, 2020, 13, e008543.	1.4	30
106	Complete Revascularization of Multivessel Coronary Artery Disease Does Not Improve Clinical Outcome in ST-Segment Elevation Myocardial Infarction Patients with Reduced Left Ventricular Ejection Fraction. Journal of Clinical Medicine, 2020, 9, 232.	1.0	7
107	Safety and Efficacy of Glycoprotein IIb/IIIa Inhibitors in Patients With Acute Myocardial Infarction in the Presence of Intracoronary Thrombus: An Analysis From the Grand Drug-eluting Stent Registry. Clinical Therapeutics, 2020, 42, 954-958.e6.	1.1	3
108	Detection of Atrial Fibrillation Using a Ring-Type Wearable Device (CardioTracker) and Deep Learning Analysis of Photoplethysmography Signals: Prospective Observational Proof-of-Concept Study. Journal of Medical Internet Research, 2020, 22, e16443.	2.1	46

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109	Sarcopenia Index as a Predictor of Clinical Outcomes in Older Patients with Coronary Artery Disease. Journal of Clinical Medicine, 2020, 9, 3121.	1.0	20
110	SYNTAX Score and SYNTAX Score II Can Predict the Clinical Outcomes of Patients with Left Main and/or 3-Vessel Disease Undergoing Percutaneous Coronary Intervention in the Contemporary Cobalt-Chromium Everolimus-Eluting Stent Era. Korean Circulation Journal, 2020, 50, 22.	0.7	8
111	Asia Pacific consensus document on coronary bifurcation interventions. EuroIntervention, 2020, 16, e706-e714.	1.4	8
112	Long-term Patient Prognostication by Coronary Flow Reserve and Index of Microcirculatory Resistance: International Registry of Comprehensive Physiologic Assessment. Korean Circulation Journal, 2020, 50, 890.	0.7	12
113	Association of Side-Branch Treatment and Patient Factors in Left Anterior Descending Artery True Bifurcation Lesions: Analysis from the GRAND-DES Pooled Registry. Journal of Interventional Cardiology, 2020, 2020, 1-9.	0.5	1
114	Comparison of Exercise Performance and Clinical Outcome Between Functional Complete and Incomplete Revascularization. Korean Circulation Journal, 2020, 50, 406.	0.7	2
115	Acute ST-elevation myocardial infarction due to prosthetic valve endocarditis after transcatheter aortic valve implantation. Korean Journal of Internal Medicine, 2020, 35, 1020-1021.	0.7	1
116	Coronary vasospasm-induced syncope with dynamic changes of regional wall motion abnormalities confirmed real-time: a case report. European Heart Journal - Case Reports, 2020, 4, 1-5.	0.3	0
117	Implicaciones pronÃ³sticas de los Ãndices fisiolÃ³gicos coronarios en pacientes con diabetes mellitus. Revista Espanola De Cardiologia, 2020, 74, 682-682.	0.6	2
118	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.	0.8	9
119	Interindividual Variations in the Adenosineâ€Induced Hemodynamics During Fractional Flow Reserve Evaluation: Implications for the Use of Quantitative Flow Ratio in Assessing Intermediate Coronary Stenoses. Journal of the American Heart Association, 2019, 8, e012906.	1.6	15
120	Better Prognosis After Complete Revascularization Using Contemporary Coronary Stents in Patients With Chronic Kidney Disease. Circulation: Cardiovascular Interventions, 2019, 12, e007907.	1.4	9
121	Comparison of Major Adverse Cardiac Events Between Instantaneous Wave-Free Ratio and Fractional Flow Reserveâ€“Guided Strategy in Patients With or Without Type 2 Diabetes. JAMA Cardiology, 2019, 4, 857.	3.0	25
122	The Predictors of Target Lesion Revascularization and Rate of In-Stent Restenosis in the Second-Generation Drug-Eluting Stent Era. Journal of Interventional Cardiology, 2019, 2019, 1-13.	0.5	12
123	Strap In for the Artificial Intelligence Revolution in Interventional Cardiology. JACC: Cardiovascular Interventions, 2019, 12, 1325-1327.	1.1	3
124	Sex Differences in Instantaneous Wave-Free Ratio or Fractional Flow Reserveâ€“Guided Revascularization Strategy. JACC: Cardiovascular Interventions, 2019, 12, 2035-2046.	1.1	26
125	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.	0.7	37
126	Physiologic Characteristics and ClinicalÂOutcomes of Patients With Discordance Between FFR and iFR. JACC: Cardiovascular Interventions, 2019, 12, 2018-2031.	1.1	56

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127	Expert recommendations on the assessment of wall shear stress in human coronary arteries: existing methodologies, technical considerations, and clinical applications. European Heart Journal, 2019, 40, 3421-3433.	1.0	178
128	Clinical Events After Deferral of LADÂRevascularization Following PhysiologicalÂCoronaryÂAssessment. Journal of the American College of Cardiology, 2019, 73, 444-453.	1.2	35
129	Plaque modification and stabilization after paclitaxel-coated balloon treatment for de novo coronary lesions. Heart and Vessels, 2019, 34, 1113-1121.	0.5	12
130	Predictive factors of discordance between the instantaneous waveâ€free ratio and fractional flow reserve. Catheterization and Cardiovascular Interventions, 2019, 94, 356-363.	0.7	49
131	Comparison of fractional flow reserve and angiographic characteristics after balloon angioplasty in de novo coronary lesions. International Journal of Cardiovascular Imaging, 2019, 35, 1945-1954.	0.7	5
132	5-Year Outcomes According to FFR of Left Circumflex Coronary Artery After Left Main Crossover Stenting. JACC: Cardiovascular Interventions, 2019, 12, 847-855.	1.1	38
133	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.	1.2	115
134	Development and Validation of an Ischemic and Bleeding Risk Evaluation Tool in East Asian Patients Receiving Percutaneous Coronary Intervention. Thrombosis and Haemostasis, 2019, 119, 1182-1193.	1.8	16
135	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.	2.3	20
136	Identification of invasive and radionuclide imaging markers of coronary plaque vulnerability using radiomic analysis of coronary computed tomography angiography. European Heart Journal Cardiovascular Imaging, 2019, 20, 1250-1258.	0.5	101
137	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.	1.6	12
138	Diagnostic Agreement of Quantitative Flow Ratio With Fractional Flow Reserve and Instantaneous Waveâ€Free Ratio. Journal of the American Heart Association, 2019, 8, e011605.	1.6	42
139	Imaging and Physiological Assessment After Stent Implantation. Circulation: Cardiovascular Interventions, 2019, 12, e007718.	1.4	3
140	Nature-inspired rollable electronics. NPG Asia Materials, 2019, 11, .	3.8	10
141	Prospective randomized trial of paclitaxel-coated balloon versus bare-metal stent in high bleeding risk patients with de novo coronary artery lesions. Coronary Artery Disease, 2019, 30, 425-431.	0.3	14
142	Racial Differences in Ischaemia/Bleeding Risk Trade-Off during Anti-Platelet Therapy: Individual Patient Level Landmark Meta-Analysis from Seven RCTs. Thrombosis and Haemostasis, 2019, 119, 149-162.	1.8	107
143	Prognostic Impact of Î²-Blocker Dose After Acute Myocardial Infarction. Circulation Journal, 2019, 83, 410-417.	0.7	32
144	Physiological and Clinical Assessment of Resting Physiological Indexes. Circulation, 2019, 139, 889-900.	1.6	90

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145	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.	2.3	188
146	Deep Learning Approaches to Detect Atrial Fibrillation Using Photoplethysmographic Signals: Algorithms Development Study. JMIR MHealth and UHealth, 2019, 7, e12770.	1.8	65
147	Influence of Local Myocardial Infarction on Endothelial Function, Neointimal Progression, and Inflammation in Target and Non-Target Vascular Territories in a Porcine Model of Acute Myocardial Infarction. Journal of Korean Medical Science, 2019, 34, e145.	1.1	4
148	The Effects of Preoperative Aspirin on Coronary Artery Bypass Surgery: a Systematic Meta-Analysis. Korean Circulation Journal, 2019, 49, 498.	0.7	6
149	The Proximal Optimization Technique Improves Clinical Outcomes When Treated without Kissing Ballooning in Patients with a Bifurcation Lesion. Korean Circulation Journal, 2019, 49, 485.	0.7	12
150	Influence of target vessel on prognostic relevance of fractional flow reserve after coronary stenting. EuroIntervention, 2019, 15, 457-464.	1.4	44
151	Consensus document for invasive coronary physiologic assessment in Asia-Pacific countries. Cardiology Journal, 2019, 26, 215-225.	0.5	19
152	Predicting functional significance of each stenosis in serial coronary artery stenoses: Where there is a will, there is a way. Cardiology Journal, 2019, 26, 307-309.	0.5	0
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