

# Yuhei Kobayashi

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

1,688  
citations

331538

21  
h-index

302012

39  
g-index

110  
all docs

110  
docs citations

110  
times ranked

2108  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coronary physiologic assessment based on angiography and intracoronary imaging. <i>Journal of Cardiology</i> , 2022, 79, 71-78.	0.8	8
2	Fractional Flow Reserve–Guided PCI as Compared with Coronary Bypass Surgery. <i>New England Journal of Medicine</i> , 2022, 386, 128-137.	13.9	169
3	Diagnostic performance and prognostic impact of coronary angiography–based Index of Microcirculatory Resistance assessment: A systematic review and meta-analysis. <i>Catheterization and Cardiovascular Interventions</i> , 2022, 99, 286-292.	0.7	9
4	Clinical validation of a novel simplified offline tool for SYNTAX score calculation. <i>Catheterization and Cardiovascular Interventions</i> , 2022, 99, 1366-1368.	0.7	1
5	Diagnostic performance of fractional flow reserve derived from coronary angiography, intravascular ultrasound, and optical coherence tomography; a meta-analysis. <i>Journal of Cardiology</i> , 2022, 80, 1-8.	0.8	6
6	Safety of Provocative Testing With Intracoronary Acetylcholine and Implications for Standard Protocols. <i>Journal of the American College of Cardiology</i> , 2022, 79, 2367-2378.	1.2	33
7	Complementary Assessment by Hybrid Intravascular Ultrasound-Optical Coherence Tomography Catheter After Implantation of a New-Generation Drug-Eluting Stent. <i>Circulation Journal</i> , 2021, 85, 2119.	0.7	2
8	Contemporary technologies to modify calcified plaque in coronary artery disease. <i>Progress in Cardiovascular Diseases</i> , 2021, 69, 18-26.	1.6	7
9	Diagnostic performance of angiography-based fractional flow reserve by patient and lesion characteristics. <i>EuroIntervention</i> , 2021, 17, e294-e300.	1.4	11
10	Zero-Contrast Transcatheter Aortic Valve-in-Valve Implantation Using Intravascular Ultrasound to Evaluate Coronary Obstruction Risk. <i>Circulation Journal</i> , 2021, 86, 168.	0.7	2
11	Distance between valvular leaflet and coronary ostium predicting risk of coronary obstruction during TAVR. <i>IJC Heart and Vasculature</i> , 2021, 37, 100917.	0.6	2
12	Asymmetric dimethylarginine predicts impaired epicardial coronary vasomotion in patients with angina in the absence of obstructive coronary artery disease. <i>International Journal of Cardiology</i> , 2020, 299, 7-11.	0.8	3
13	In-hospital outcome in patients presenting with acute coronary syndrome with left main coronary artery disease: A report from Japanese prospective multicenter percutaneous coronary intervention registry. <i>Journal of Cardiology</i> , 2020, 75, 635-640.	0.8	4
14	Long-term clinical outcomes with use of an angiotensin-converting enzyme inhibitor early after heart transplantation. <i>American Heart Journal</i> , 2020, 222, 30-37.	1.2	6
15	Sex Differences in Coronary Microvascular Dysfunction and Its Relationship With Outcome. <i>JACC: Cardiovascular Interventions</i> , 2020, 13, 1680-1682.	1.1	1
16	Dose-Response Relationship Between Intracoronary Acetylcholine and Minimal Lumen Diameter in Coronary Endothelial Function Testing of Women and Men With Angina and No Obstructive Coronary Artery Disease. <i>Circulation: Cardiovascular Interventions</i> , 2020, 13, e008587.	1.4	16
17	Prognostic Value of Coronary Microvascular Function Measured Immediately After Percutaneous Coronary Intervention in Stable Coronary Artery Disease. <i>Circulation: Cardiovascular Interventions</i> , 2019, 12, e007889.	1.4	47
18	Asymptomatic Patients With Abnormal Fractional Flow Reserve Treated With Medication Alone or With PCI. <i>Journal of the American College of Cardiology</i> , 2019, 74, 1642-1644.	1.2	7

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19	Simultaneous Anatomic and Physiologic Assessment of Coronary Artery Disease With Coronary Angiography Alone. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, 271-273.	1.1	2
20	Optimal balloon positioning for the proximal optimization technique? An experimental bench study. <i>International Journal of Cardiology</i> , 2019, 292, 95-97.	0.8	19
21	Accuracy of non-invasive stress testing in women and men with angina in the absence of obstructive coronary artery disease. <i>International Journal of Cardiology</i> , 2019, 282, 7-15.	0.8	28
22	Combination of Mean Platelet Volume and Neutrophil to Lymphocyte Ratio Predicts Long-Term Major Adverse Cardiovascular Events After Percutaneous Coronary Intervention. <i>Angiology</i> , 2019, 70, 345-351.	0.8	23
23	Response by Kobayashi et al to Letter Regarding Article, "Three-Vessel Assessment of Coronary Microvascular Dysfunction in Patients with Clinical Suspicion of Ischemia: Prospective Observation Study With the Index of Microcirculatory Resistance". <i>Circulation: Cardiovascular Interventions</i> , 2018, 11, e006302.	1.4	0
24	Long-term prognostic value of invasive and non-invasive measures early after heart transplantation. <i>International Journal of Cardiology</i> , 2018, 260, 31-35.	0.8	8
25	Change in lymphocyte to neutrophil ratio predicts acute rejection after heart transplantation. <i>International Journal of Cardiology</i> , 2018, 251, 58-64.	0.8	19
26	The ratio of circulating regulatory cluster of differentiation 4 T cells to endothelial progenitor cells predicts clinically significant acute rejection after heart transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2018, 37, 496-502.	0.3	4
27	Fractional Flow Reserve and Quality-of-Life Improvement After Percutaneous Coronary Intervention in Patients With Stable Coronary Artery Disease. <i>Circulation</i> , 2018, 138, 1797-1804.	1.6	32
28	Predicting Outcomes After Percutaneous Coronary Intervention Using Relative Change in Fractional Flow Reserve. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 2110-2112.	1.1	0
29	Prognostic Value of the Residual SYNTAX Score After Functionally Complete Revascularization in ACS. <i>Journal of the American College of Cardiology</i> , 2018, 72, 1321-1329.	1.2	40
30	Sex Differences in Adenosine-Free Coronary Pressure Indexes. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 1454-1463.	1.1	12
31	Non-invasive FFR <sub>CT</sub> revealing severe inducible ischaemia in an anomalous right coronary artery. <i>European Heart Journal</i> , 2017, 38, ehw542.	1.0	7
32	Left ventricular myocardial function assessed by three-dimensional speckle tracking echocardiography in Takotsubo cardiomyopathy. <i>Echocardiography</i> , 2017, 34, 523-529.	0.3	16
33	Impact of analysis interval size on the quality of optical frequency domain imaging assessments of stent implantation for lesions of the superficial femoral artery. <i>Catheterization and Cardiovascular Interventions</i> , 2017, 89, 735-745.	0.7	3
34	Left atrial function and phenotypes in asymmetric hypertrophic cardiomyopathy. <i>Echocardiography</i> , 2017, 34, 843-850.	0.3	9
35	Additive value of nicorandil on ATP for further inducing hyperemia in patients with an intermediate coronary artery stenosis. <i>Coronary Artery Disease</i> , 2017, 28, 104-109.	0.3	5
36	Angiotensin-Converting Enzyme Inhibition Early After Heart Transplantation. <i>Journal of the American College of Cardiology</i> , 2017, 69, 2832-2841.	1.2	50

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37	SEX DIFFERENCES IN THE RISK FACTORS FOR ENDOTHELIAL AND MICROVASCULAR DYSFUNCTION IN PATIENTS WITH ANGINA IN THE ABSENCE OF OBSTRUCTIVE CORONARY ARTERY DISEASE. <i>Journal of the American College of Cardiology</i> , 2017, 69, 1749.	1.2	0
38	Coronary Endothelial Dysfunction and the Index of Microcirculatory Resistance as a Marker of Subsequent Development of Cardiac Allograft Vasculopathy. <i>Circulation</i> , 2017, 135, 1093-1095.	1.6	32
39	Agreement of the Resting Distal to Aortic Coronary Pressure With the Instantaneous Wave-Free Ratio. <i>Journal of the American College of Cardiology</i> , 2017, 70, 2105-2113.	1.2	43
40	Influence of Contrast Media Dose and Osmolality on the Diagnostic Performance of Contrast Fractional Flow Reserve. <i>Circulation: Cardiovascular Interventions</i> , 2017, 10, .	1.4	8
41	Invasive Assessment of the Coronary Microvasculature. <i>Circulation: Cardiovascular Interventions</i> , 2017, 10, .	1.4	122
42	Incremental Value of Deformation Imaging and Hemodynamics Following Heart Transplantation. <i>JACC: Heart Failure</i> , 2017, 5, 930-939.	1.9	11
43	Three-Vessel Assessment of Coronary Microvascular Dysfunction in Patients With Clinical Suspicion of Ischemia. <i>Circulation: Cardiovascular Interventions</i> , 2017, 10, .	1.4	19
44	Dynamic changes in aortic impedance after transcatheter aortic valve replacement and its impact on exploratory outcome. <i>International Journal of Cardiovascular Imaging</i> , 2017, 33, 1693-1701.	0.7	11
45	Impact of Asymmetric Dimethylarginine on Coronary Physiology Early After Heart Transplantation. <i>American Journal of Cardiology</i> , 2017, 120, 1020-1025.	0.7	2
46	TCT-705 The Prognostic Value of Residual Coronary Stenosis After "Functionally" Complete Revascularization in Acute Coronary Syndrome: Insights from the DANAMI-3-PRIMULTI, FAME, and FAMOUS-NSTEMI. <i>Journal of the American College of Cardiology</i> , 2017, 70, B301-B302.	1.2	0
47	Functional Versus Anatomic Assessment of Myocardial Bridging by Intravascular Ultrasound: Impact of Arterial Compression on Proximal Atherosclerotic Plaque. <i>Journal of the American Heart Association</i> , 2016, 5, e001735.	1.6	49
48	The Prognostic Value of Residual Coronary Stenoses After Functionally Complete Revascularization. <i>Journal of the American College of Cardiology</i> , 2016, 67, 1701-1711.	1.2	80
49	Comparison of left ventricular manual versus automated derived longitudinal strain: implications for clinical practice and research. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 429-437.	0.7	25
50	Association of periarterial neovascularization with progression of cardiac allograft vasculopathy and long-term clinical outcomes in heart transplant recipients. <i>Journal of Heart and Lung Transplantation</i> , 2016, 35, 752-759.	0.3	9
51	Invasive Assessment of the Coronary Microcirculation. <i>JACC: Cardiovascular Interventions</i> , 2016, 9, 802-804.	1.1	6
52	Invasive Assessment of Coronary Physiology Predicts Late Mortality After Heart Transplantation. <i>Circulation</i> , 2016, 133, 1945-1950.	1.6	73
53	The impact of left ventricular ejection fraction on fractional flow reserve: Insights from the FAME (Fractional flow reserve versus Angiography for Multivessel Evaluation) trial. <i>International Journal of Cardiology</i> , 2016, 204, 206-210.	0.8	15
54	The Influence of Lesion Location on the Diagnostic Accuracy of Adenosine-Free Coronary Pressure Wire Measurements. <i>JACC: Cardiovascular Interventions</i> , 2016, 9, 2390-2399.	1.1	81

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55	Quantitative precision of optical frequency domain imaging: direct comparison with frequency domain optical coherence tomography and intravascular ultrasound. <i>Cardiovascular Intervention and Therapeutics</i> , 2016, 31, 79-88.	1.2	10
56	TCT-353 Variability in Quantitative Precision of Intravascular Imaging Modalities: Head-to-Head Comparison of Currently Available Coronary Imaging Systems. <i>Journal of the American College of Cardiology</i> , 2015, 66, B142.	1.2	0
57	TCT-37 The Prognostic Value of the Residual SYNTAX Score after "Functionally" Complete Revascularization: Insights from the FAME (Fractional Flow Reserve Versus Angiography for) Tj ETQq1 1 0.784314 rjBT /Overlock 10 T	1.2	0
58	Direct relationship of local C-reactive protein production and lipid pool characterized by integrated backscatter intravascular ultrasound. <i>Coronary Artery Disease</i> , 2015, 26, 425-431.	0.3	3
59	The relationship between fractional flow reserve and index of microcirculatory resistance: Be careful with whom you associate. <i>Catheterization and Cardiovascular Interventions</i> , 2015, 85, 593-594.	0.7	0
60	Paradoxical Vessel Remodeling of the Proximal Segment of the Left Anterior Descending Artery Predicts Long-Term Mortality After Heart Transplantation. <i>JACC: Heart Failure</i> , 2015, 3, 942-952.	1.9	22
61	Exercise Strain Echocardiography in Patients With a Hemodynamically Significant Myocardial Bridge Assessed by Physiological Study. <i>Journal of the American Heart Association</i> , 2015, 4, .	1.6	12
62	Effect of Sex Differences on Invasive Measures of Coronary Microvascular Dysfunction in Patients With Angina in the Absence of Obstructive Coronary Artery Disease. <i>JACC: Cardiovascular Interventions</i> , 2015, 8, 1433-1441.	1.1	105
63	TCT-555 Impact of Stent Size Selection on Acute and Long-Term Outcomes after Drug-Eluting Stent Implantation in De Novo Coronary Lesions. <i>Journal of the American College of Cardiology</i> , 2015, 66, B225.	1.2	1
64	TCT-338 Head-to-Head Comparison of Two Commercially Available Automated Detection Algorithms for Lumen Contour in Optical Coherence Tomography Analysis. <i>Journal of the American College of Cardiology</i> , 2015, 66, B136.	1.2	0
65	TCT-346 Association between Increased Number of Septal Branches within the Myocardial Bridge and Abnormal Diastolic-Fractional Flow Reserve. <i>Journal of the American College of Cardiology</i> , 2015, 66, B139-B140.	1.2	0
66	Assessment of Atrial Synchrony in Paroxysmal Atrial Fibrillation and Impact of Pulmonary Vein Isolation for Atrial Dyssynchrony and Global Strain by Three-Dimensional Strain Echocardiography. <i>Journal of the American Society of Echocardiography</i> , 2014, 27, 1193-1199.	1.2	20
67	TCT-352 Validation of High Speed Pullback of a Novel High-Definition Intravascular Ultrasound System. <i>Journal of the American College of Cardiology</i> , 2014, 64, B102.	1.2	2
68	TCT-396 Head-to-Head Comparison of Automated versus Manual Detection for Lumen Contour and Stent Struts in Optical Coherence Tomography Analysis. <i>Journal of the American College of Cardiology</i> , 2014, 64, B116.	1.2	0
69	TCT-359 Atherosclerotic Plaque Formation Relates to Myocardial Bridging in Left Anterior Descending Coronary Arteries. <i>Journal of the American College of Cardiology</i> , 2014, 64, B104.	1.2	0
70	Acute Myocardial Infarction After Kawasaki Disease. <i>JACC: Cardiovascular Interventions</i> , 2014, 7, e77-e78.	1.1	1
71	Chiral Optical Properties of Phenyloxazoline Derivatives that Appear Only in the Solid State. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 719-724.	1.2	1
72	Impact of Target Lesion Coronary Calcification on Stent Expansion. <i>Circulation Journal</i> , 2014, 78, 2209-2214.	0.7	188

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73	Invasive Coronary Microcirculation Assessment. <i>Circulation Journal</i> , 2014, 78, 1021-1028.	0.7	43
74	Nicorandil prevents microvascular dysfunction resulting from PCI in patients with stable angina pectoris: a randomised study. <i>EuroIntervention</i> , 2014, 9, 1050-1056.	1.4	45
75	Abstract 9946: Impact of Sex Differences on Invasive Measures of Coronary Microvascular Dysfunction in Patients With Angina in the Absence of Obstructive Coronary Artery Disease. <i>Circulation</i> , 2014, 130, .	1.6	0
76	Abstract 15528: Myocardial Deformation Imaging and Obstruction in Hypertrophic Cardiomyopathy, Insights from Cross-sectional and Post-myectomy Analysis. <i>Circulation</i> , 2014, 130, .	1.6	0
77	TCT-562 Impact of Target Lesion Coronary Calcification on Stent Expansion: An Optical Coherence Tomography Study. <i>Journal of the American College of Cardiology</i> , 2013, 62, B169-B170.	1.2	0
78	Four-year clinical outcomes of the OLIVUS-Ex (impact of Olmesartan on progression of coronary) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5 134-138.	0.4	25
79	TCT-711 Nicorandil Prevents Microvascular Dysfunction Resulting from Percutaneous Coronary Intervention in Patients with Stable Angina Pectoris. <i>Journal of the American College of Cardiology</i> , 2012, 60, B206-B207.	1.2	0
80	AS-062 Comparison of Coronary Plaque Characterization by Spectral Radiofrequency of Intravascular Ultrasound Signals (VH-IVUS and i-MAP). <i>American Journal of Cardiology</i> , 2011, 107, 24A-25A.	0.7	0