Yuka Otaki

List of Publications by Year
in descending order

70	2,558	26	48
papers	citations	h-index	g-index
		218677	206112

71	71	71	2242
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deep Learning for Prediction of Obstructive Disease From Fast Myocardial Perfusion SPECT. JACC: Cardiovascular Imaging, 2018, 11, 1654-1663.	5.3	246
2	Prognostic Value of Combined Clinical andÂMyocardial Perfusion Imaging Data Using Machine Learning. JACC: Cardiovascular Imaging, 2018, 11, 1000-1009.	5.3	172
3	Relationship between changes in pericoronary adipose tissue attenuation and coronary plaque burden quantified from coronary computed tomography angiography. European Heart Journal Cardiovascular Imaging, 2019, 20, 636-643.	1.2	129
4	Peri-Coronary Adipose Tissue Density IsÂAssociated With 18F-Sodium Fluoride Coronary Uptake in Stable Patients WithÂHigh-Risk Plaques. JACC: Cardiovascular Imaging, 2019, 12, 2000-2010.	5.3	129
5	Deep Learning Analysis of Upright-Supine High-Efficiency SPECT Myocardial Perfusion Imaging for Prediction of Obstructive Coronary Artery Disease: A Multicenter Study. Journal of Nuclear Medicine, 2019, 60, 664-670.	5.0	113
6	Increase in epicardial fat volume is associated with greater coronary artery calcification progression in subjects at intermediate risk by coronary calcium score: A serial study using non-contrast cardiac CT. Atherosclerosis, 2011, 218, 363-368.	0.8	97
7	Quantitative global plaque characteristics from coronary computed tomography angiography for the prediction of future cardiac mortality during long-term follow-up. European Heart Journal Cardiovascular Imaging, 2017, 18, 1331-1339.	1.2	90
8	Deep learning-enabled coronary CT angiography for plaque and stenosis quantification and cardiac risk prediction: an international multicentre study. The Lancet Digital Health, 2022, 4, e256-e265.	12.3	85
9	Rationale and design of the REgistry of Fast Myocardial Perfusion Imaging with NExt generation SPECT (REFINE SPECT). Journal of Nuclear Cardiology, 2020, 27, 1010-1021.	2.1	74
10	5-Year Prognostic Value of QuantitativeÂVersus Visual MPI in SubtleÂPerfusionÂDefects. JACC: Cardiovascular Imaging, 2020, 13, 774-785.	5.3	70
11	Machine learning predicts per-vessel early coronary revascularization after fast myocardial perfusion SPECT: results from multicentre REFINE SPECT registry. European Heart Journal Cardiovascular Imaging, 2020, 21, 549-559.	1.2	70
12	Relation of Diagonal Ear Lobe Crease to the Presence, Extent, and Severity of Coronary Artery Disease Determined by Coronary Computed Tomography Angiography. American Journal of Cardiology, 2012, 109, 1283-1287.	1.6	67
13	Threshold for the Upper Normal Limit of Indexed Epicardial Fat Volume: Derivation in a Healthy Population and Validation in an Outcome-Based Study. American Journal of Cardiology, 2011, 108, 1680-1685.	1.6	58
14	Impact of Family History of Coronary Artery Disease in Young Individuals (from the CONFIRM Registry). American Journal of Cardiology, 2013, 111, 1081-1086.	1.6	58
15	Automatic Valve Plane Localization in Myocardial Perfusion SPECT/CT by Machine Learning: Anatomic and Clinical Validation. Journal of Nuclear Medicine, 2017, 58, 961-967.	5.0	56
16	Relationship Between Quantitative Adverse Plaque Features From Coronary Computed Tomography Angiography and Downstream Impaired Myocardial Flow Reserve by ¹³ N-Ammonia Positron Emission Tomography. Circulation: Cardiovascular Imaging, 2015, 8, e003255.	2.6	55
17	Standardized volumetric plaque quantification and characterization from coronary CT angiography: a head-to-head comparison with invasive intravascular ultrasound. European Radiology, 2019, 29, 6129-6139.	4.5	50
18	Predictors of 18F-sodium fluoride uptake in patients with stable coronary artery disease and adverse plaque features on computed tomography angiography. European Heart Journal Cardiovascular Imaging, 2020, 21, 58-66.	1.2	50

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19	Interscan reproducibility of quantitative coronary plaque volume and composition from CT coronary angiography using an automated method. European Radiology, 2014, 24, 2300-2308.	4.5	49
20	Clinical Deployment of Explainable Artificial Intelligence of SPECT for Diagnosis of Coronary Artery Disease. JACC: Cardiovascular Imaging, 2022, 15, 1091-1102.	5.3	44
21	Optimization of reconstruction and quantification of motion-corrected coronary PET-CT. Journal of Nuclear Cardiology, 2020, 27, 494-504.	2.1	43
22	Predictors of high-risk coronary artery disease in subjects with normal SPECT myocardial perfusion imaging. Journal of Nuclear Cardiology, 2016, 23, 530-541.	2.1	39
23	What have we learned from CONFIRM? Prognostic implications from a prospective multicenter international observational cohort study of consecutive patients undergoing coronary computed tomographic angiography. Journal of Nuclear Cardiology, 2012, 19, 787-795.	2.1	35
24	Quantitative plaque features from coronary computed tomography angiography to identify regional ischemia by myocardial perfusion imaging. European Heart Journal Cardiovascular Imaging, 2017, 18, 499-507.	1.2	31
25	Quantification of myocardial blood flow by CZT-SPECT with motion correction and comparison with 15O-water PET. Journal of Nuclear Cardiology, 2021, 28, 1477-1486.	2.1	31
26	Gender differences in the prevalence, severity, and composition of coronary artery disease in the young: a study of 1635 individuals undergoing coronary CT angiography from the prospective, multinational confirm registry. European Heart Journal Cardiovascular Imaging, 2015, 16, 490-499.	1.2	29
27	Impact of Early Revascularization on Major Adverse Cardiovascular Events inÂRelation to Automatically QuantifiedÂIschemia. JACC: Cardiovascular Imaging, 2021, 14, 644-653.	5.3	28
28	The relationship between epicardial fat volume and incident coronary artery calcium. Journal of Cardiovascular Computed Tomography, 2011, 5, 310-316.	1.3	26
29	Determining a minimum set of variables for machine learning cardiovascular event prediction: results from REFINE SPECT registry. Cardiovascular Research, 2022, 118, 2152-2164.	3.8	26
30	Coronary calcium scoring from contrast coronary CT angiography using a semiautomated standardized method. Journal of Cardiovascular Computed Tomography, 2015, 9, 446-453.	1.3	25
31	Quantitation of left ventricular ejection fraction reserve from early gated regadenoson stress Tc-99m high-efficiency SPECT. Journal of Nuclear Cardiology, 2016, 23, 1251-1261.	2.1	25
32	Simultaneous Tc-99m PYP/Tl-201 dual-isotope SPECT myocardial imaging in patients with suspected cardiac amyloidosis. Journal of Nuclear Cardiology, 2020, 27, 28-37.	2.1	25
33	Relationship of epicardial fat volume from noncontrast CT with impaired myocardial flow reserve by positron emission tomography. Journal of Cardiovascular Computed Tomography, 2015, 9, 303-309.	1.3	23
34	Motion-Corrected Imaging of the Aortic Valve with ¹⁸F-NaF PET/CT and PET/MRI: A Feasibility Study. Journal of Nuclear Medicine, 2017, 58, 1811-1814.	5.0	23
35	Improvement in LDL is associated with decrease in non-calcified plaque volume on coronary CTA as measured by automated quantitative software. Journal of Cardiovascular Computed Tomography, 2018, 12, 385-390.	1.3	21
36	Transient ischaemic dilation and post-stress wall motion abnormality increase risk in patients with less than moderate ischaemia: analysis of the REFINE SPECT registry. European Heart Journal Cardiovascular Imaging, 2020, 21, 567-575.	1.2	21

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37	Diagnostic safety of a machine learning-based automatic patient selection algorithm for stress-only myocardial perfusion SPECT. Journal of Nuclear Cardiology, 2022, 29, 2295-2307.	2.1	21
38	Molecular Imaging of Vulnerable Coronary Plaque: A Pathophysiologic Perspective. Journal of Nuclear Medicine, 2017, 58, 359-364.	5.0	20
39	Short-term repeatability of myocardial blood flow using 82Rb PET/CT: The effect of arterial input function position and motion correction. Journal of Nuclear Cardiology, 2021, 28, 1718-1725.	2.1	20
40	Computed tomography angiography-derived extracellular volume fraction predicts early recovery of left ventricular systolic function after transcatheter aortic valve replacement. European Heart Journal Cardiovascular Imaging, 2021, 22, 179-185.	1.2	20
41	Fully automated analysis of attenuation-corrected SPECT for the long-term prediction of acute myocardial infarction. Journal of Nuclear Cardiology, 2018, 25, 1353-1360.	2.1	17
42	Non-invasive fractional flow reserve in vessels without severe obstructive stenosis is associated with coronary plaque burden. Journal of Cardiovascular Computed Tomography, 2018, 12, 379-384.	1.3	17
43	Upper reference limits of transient ischemic dilation ratio for different protocols on new-generation cadmium zinc telluride cameras: A report from REFINE SPECT registry. Journal of Nuclear Cardiology, 2020, 27, 1180-1189.	2.1	17
44	Relationship between ischaemia, coronary artery calcium scores, and major adverse cardiovascular events. European Heart Journal Cardiovascular Imaging, 2022, 23, 1423-1433.	1.2	16
45	Prediction of revascularization by coronary CT angiography using a machine learning ischemia risk score. European Radiology, 2021, 31, 1227-1235.	4.5	15
46	Effect of tube potential and luminal contrast attenuation on atherosclerotic plaque attenuation by coronary CT angiography: In vivo comparison with intravascular ultrasound. Journal of Cardiovascular Computed Tomography, 2019, 13, 219-225.	1.3	14
47	Prognostic Value of Phase Analysis for Predicting Adverse Cardiac Events Beyond Conventional Single-Photon Emission Computed Tomography Variables: Results From the REFINE SPECT Registry. Circulation: Cardiovascular Imaging, 2021, 14, e012386.	2.6	13
48	The accuracy of coronary CT angiography in patients with coronary calcium score above 1000 Agatston Units: Comparison with quantitative coronary angiography. Journal of Cardiovascular Computed Tomography, 2021, 15, 412-418.	1.3	13
49	SYNTAX Score Derived From Coronary CT Angiography for Prediction of Complex Percutaneous Coronary Interventions. Academic Radiology, 2016, 23, 1384-1392.	2.5	11
50	Automated quantitative analysis of CZT SPECT stratifies cardiovascular risk in the obese population: Analysis of the REFINE SPECT registry. Journal of Nuclear Cardiology, 2022, 29, 727-736.	2.1	11
51	3D PET/CT 82Rb PET myocardial blood flow quantification: comparison of half-dose and full-dose protocols. European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 3084-3093.	6.4	10
52	Diagnostic Accuracy of CardiovascularÂMagnetic Resonance for Cardiac Transplant Rejection. JACC: Cardiovascular Imaging, 2021, 14, 2337-2349.	5.3	10
53	Improved Evaluation of Lipid-Rich Plaque at Coronary CT Angiography: Head-to-Head Comparison with Intravascular US. Radiology: Cardiothoracic Imaging, 2019, 1, e190069.	2.5	9
54	The application of artificial intelligence in nuclear cardiology. Annals of Nuclear Medicine, 2022, 36, 111-122.	2.2	9

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55	Improved myocardial blood flow estimation with residual activity correction and motion correction in 18F-flurpiridaz PET myocardial perfusion imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2022, 49, 1881-1893.	6.4	9
56	Optimizing Image Contrast Display Improves Quantitative Stenosis Measurement in Heavily Calcified Coronary Arterial Segments on Coronary CT Angiography. Academic Radiology, 2014, 21, 797-804.	2.5	8
57	Incremental Value of Diagonal Earlobe Crease to the Diamond-Forrester Classification in Estimating the Probability of Significant Coronary Artery Disease Determined by Computed Tomographic Angiography. American Journal of Cardiology, 2014, 114, 1670-1675.	1.6	8
58	Value of semiquantitative assessment of high-risk plaque features on coronary CT angiography over stenosis in selection of studies for FFRct. Journal of Cardiovascular Computed Tomography, 2022, 16, 27-33.	1.3	8
59	Quantitation of Poststress Change in Ventricular Morphology Improves Risk Stratification. Journal of Nuclear Medicine, 2021, 62, 1582-1590.	5.0	7
60	Explainable Deep Learning Improves Physician Interpretation of Myocardial Perfusion Imaging. Journal of Nuclear Medicine, 2022, , jnumed.121.263686.	5.0	7
61	Prognostic utility of coronary computed tomographic angiography. Indian Heart Journal, 2013, 65, 300-310.	0.5	6
62	Decrease in LDL-C is associated with decrease in all components of noncalcified plaque on coronary CTA. Atherosclerosis, 2019, 285, 128-134.	0.8	6
63	Simulation of Low-Dose Protocols for Myocardial Perfusion ⁸²Rb Imaging. Journal of Nuclear Medicine, 2021, 62, 1112-1117.	5.0	6
64	Prognostic value of early left ventricular ejection fraction reserve during regadenoson stress solid-state SPECT-MPI. Journal of Nuclear Cardiology, 2022, 29, 1219-1230.	2.1	5
65	Clinical Utility of SPECT in the Heart Transplant Population. Transplantation, 2021, Publish Ahead of Print, .	1.0	4
66	The association between epicardial adipose tissue thickness around the right ventricular free wall evaluated by transthoracic echocardiography and left atrial appendage function. International Journal of Cardiovascular Imaging, 2020, 36, 585-593.	1.5	2
67	Calcium scoring in low-dose ungated chest CT scans using convolutional long-short term memory networks. , 2022, , .		2
68	Differences in Prognostic Value of Myocardial Perfusion Single-Photon Emission Computed Tomography Using High-Efficiency Solid-State Detector Between Men and Women in a Large International Multicenter Study. Circulation: Cardiovascular Imaging, 2022, 15, .	2.6	2
69	Elucidating the pathophysiology of left bundle branch block related perfusion defects. Journal of Nuclear Cardiology, 2021, 28, 2923-2926.	2.1	1
70	The Impact of Valvuloarterial Impedance on Left Ventricular Geometrical Change after Transcatheter Aortic Valve Replacement: A Comparison between Valvuloarterial Impedance and Mean Pressure Gradient. Journal of Clinical Medicine, 2020, 9, 3143.	2.4	0