

Nils P Johnson

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

3,269
citations

304743

22
h-index

149698

56
g-index

68
all docs

68
docs citations

68
times ranked

2854
citing authors

#	ARTICLE	IF	CITATIONS
1	How shall we judge a PET flow model?. Journal of Nuclear Cardiology, 2022, 29, 2551-2554.	2.1	1
2	Retention models: â€˜tis the gift to be simple. Journal of Nuclear Cardiology, 2022, 29, 2595-2598.	2.1	0
3	Improving transcatheter aortic valve interventional predictability via fluidâ€™structure interaction modelling using patient-specific anatomy. Royal Society Open Science, 2022, 9, 211694.	2.4	4
4	Discordance in the Pattern of Coronary Artery Disease Between Resting and Hyperemic Conditions. JACC: Cardiovascular Interventions, 2022, 15, e113-e116.	2.9	1
5	Development, validation, and reproducibility of the pullback pressure gradient (PPG) derived from manual fractional flow reserve pullbacks. Catheterization and Cardiovascular Interventions, 2022, 99, 1518-1525.	1.7	8
6	Is Target Vessel Failure a Failure?. JACC: Cardiovascular Interventions, 2022, 15, 1044-1046.	2.9	2
7	Rationale and design of SAVI-AoS: A physiologic study of patients with symptomatic moderate aortic valve stenosis and preserved left ventricular ejection fraction. IJC Heart and Vasculature, 2022, 41, 101063.	1.1	2
8	Potential errors in interpreting hibernation due to FDG scaling?. Journal of Nuclear Cardiology, 2021, 28, 1740-1744.	2.1	0
9	Mortality Prediction by Quantitative PET Perfusion Expressed as Coronary Flow Capacity With and Without Revascularization. JACC: Cardiovascular Imaging, 2021, 14, 1020-1034.	5.3	41
10	A fundamental principle of coronary pathophysiology for risk stratifying coronary artery disease. European Heart Journal Cardiovascular Imaging, 2021, 22, 647-649.	1.2	1
11	Stenting â€™vulnerableâ€™ But Fractional Flow Reserveâ€™Negative Lesions. JACC: Cardiovascular Interventions, 2021, 14, 461-467.	2.9	8
12	Flow, pressure, anatomy: an eternal golden braid. Cardiovascular Research, 2021, 117, 1426-1427.	3.8	1
13	Autoregulation of Coronary Blood Supply in Response to Demand. Journal of the American College of Cardiology, 2021, 77, 2335-2345.	2.8	19
14	Design and rationale of the randomized trial of comprehensive lifestyle modification, optimal pharmacological treatment and utilizing PET imaging for quantifying and managing stable coronary artery disease (the CENTURY study). American Heart Journal, 2021, 237, 135-146.	2.7	2
15	Coronary Steal: Mechanisms of a Misnomer. Journal of the American Heart Association, 2021, 10, e021000.	3.7	6
16	Combined Pressure and Flow Measurements to Guide Treatment of Coronary Stenoses. JACC: Cardiovascular Interventions, 2021, 14, 1904-1913.	2.9	22
17	Can FFR After Stenting Help Reduce Target Vessel Failure?. JACC: Cardiovascular Interventions, 2021, 14, 1901-1903.	2.9	2
18	Coronary Microcirculation in Aortic Stenosis: Pathophysiology, Invasive Assessment, and Future Directions. Journal of Interventional Cardiology, 2020, 2020, 1-13.	1.2	11

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19	2-Dimensional Fractional Flow Reserve. JACC: Cardiovascular Interventions, 2020, 13, 1651-1654.	2.9	4
20	Coronary Flow Capacity to Identify Stenosis Associated With Coronary Flow Improvement After Revascularization: A Combined Analysis From DEFINE FLOW and IDEAL. Journal of the American Heart Association, 2020, 9, e016130.	3.7	8
21	Coronary Physiology. JACC: Cardiovascular Imaging, 2020, 13, 1986-1988.	5.3	2
22	Why Can Fractional Flow Reserve Decrease After Transcatheter Aortic Valve Implantation?. Journal of the American Heart Association, 2020, 9, e04905.	3.7	11
23	Pitfalls in quantitative myocardial PET perfusion I: Myocardial partial volume correction. Journal of Nuclear Cardiology, 2020, 27, 386-396.	2.1	9
24	Phasic pressure measurements for coronary and valvular interventions using fluid-filled catheters: Errors, automated correction, and clinical implications. Catheterization and Cardiovascular Interventions, 2020, 96, E268-E277.	1.7	6
25	Stress Aortic Valve Index (SAVI) with Dobutamine for Low-Gradient Aortic Stenosis: A Pilot Study. Structural Heart, 2020, 4, 53-61.	0.6	7
26	How Do PET Myocardial Blood Flow Reserve and FFR Differ?. Current Cardiology Reports, 2020, 22, 20.	2.9	9
27	Regional, Artery-Specific Thresholds of Quantitative Myocardial Perfusion by PET Associated with Reduced Myocardial Infarction and Death After Revascularization in Stable Coronary Artery Disease. Journal of Nuclear Medicine, 2019, 60, 410-417.	5.0	83
28	Angiography-Derived Fractional Flow Reserve Versus Invasive Nonhyperemic Pressure Ratios. Journal of the American College of Cardiology, 2019, 73, 3232-3233.	2.8	4
29	Integrating Coronary Physiology, Longitudinal Pressure, and Perfusion Gradients in CAD. Journal of the American College of Cardiology, 2019, 74, 1785-1788.	2.8	7
30	The cardiac arrest survival score: A predictive algorithm for in-hospital mortality after out-of-hospital cardiac arrest. Resuscitation, 2019, 144, 46-53.	3.0	26
31	Predictive factors of discordance between the instantaneous wave-free ratio and fractional flow reserve. Catheterization and Cardiovascular Interventions, 2019, 94, 356-363.	1.7	49
32	Quantitative myocardial perfusion positron emission tomography and caffeine revisited with new insights on major adverse cardiovascular events and coronary flow capacity. European Heart Journal Cardiovascular Imaging, 2019, 20, 751-762.	1.2	15
33	Diastolic pressure ratio: new approach and validation vs. the instantaneous wave-free ratio. European Heart Journal, 2019, 40, 2585-2594.	2.2	44
34	Fractional flow reserve-guided percutaneous coronary intervention vs. medical therapy for patients with stable coronary lesions: meta-analysis of individual patient data. European Heart Journal, 2019, 40, 180-186.	2.2	159
35	TAG, You're Out. JACC: Cardiovascular Imaging, 2019, 12, 334-337.	5.3	3
36	Same Lesion, Different Artery, Different FFR!?. JACC: Cardiovascular Imaging, 2019, 12, 718-721.	5.3	6

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37	Pressure gradient vs. flow relationships to characterize the physiology of a severely stenotic aortic valve before and after transcatheter valve implantation. <i>European Heart Journal</i> , 2018, 39, 2646-2655.	2.2	38
38	Yellow traffic lights and grey zone fractional flow reserve values: stop or go?. <i>European Heart Journal</i> , 2018, 39, 1620-1622.	2.2	4
39	Coronary Physiology Beyond Coronary Flow Reserve in Microvascular Angina. <i>Journal of the American College of Cardiology</i> , 2018, 72, 2642-2662.	2.8	101
40	Coronary Psychology. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 1492-1494.	2.9	14
41	Optimal Adenosine Stress for Maximum Stress Perfusion, Coronary Flow Reserve, and Pixel Distribution of Coronary Flow Capacity by Kolmogorov-Smirnov Analysis. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	2.6	13
42	Intracoronary Hypothermia Before Reperfusion to Reduce Reperfusion Injury in Acute Myocardial Infarction: A Novel Hypothesis and Technique. <i>Therapeutic Hypothermia and Temperature Management</i> , 2017, 7, 199-205.	0.9	7
43	What can intracoronary pressure measurements tell us about flow reserve? Pressure-Bounded coronary flow reserve and example application to the randomized DEFER trial. <i>Catheterization and Cardiovascular Interventions</i> , 2017, 90, 917-925.	1.7	16
44	Accuracy of Fractional Flow Reserve Measurements in Clinical Practice. <i>JACC: Cardiovascular Interventions</i> , 2017, 10, 1392-1401.	2.9	49
45	Hydrostatic Forces. <i>JACC: Cardiovascular Interventions</i> , 2017, 10, 1596-1597.	2.9	4
46	Approximate Truth. <i>Journal of the American College of Cardiology</i> , 2017, 70, 3097-3101.	2.8	7
47	Agreement between two diagnostic tests when accounting for test-retest variation: application to FFR versus iFR. <i>Journal of Applied Statistics</i> , 2016, 43, 1673-1689.	1.3	0
48	Why Is Fractional Flow Reserve After Percutaneous Coronary Intervention Not Always 1.0? JACC: <i>Cardiovascular Interventions</i> , 2016, 9, 1032-1035.	2.9	20
49	Continuum of Vasodilator Stress From Rest to Contrast Medium to Adenosine Hyperemia for Fractional Flow Reserve Assessment. <i>JACC: Cardiovascular Interventions</i> , 2016, 9, 757-767.	2.9	129
50	Standardization of Fractional Flow Reserve Measurements. <i>Journal of the American College of Cardiology</i> , 2016, 68, 742-753.	2.8	157
51	Fractional Flow Reserve Returns to Its Origins. <i>Circulation: Cardiovascular Imaging</i> , 2016, 9, .	2.6	15
52	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.	2.9	81
53	Invasive FFR and Noninvasive CFR in the Evaluation of Ischemia. <i>Journal of the American College of Cardiology</i> , 2016, 67, 2772-2788.	2.8	77
54	An Analysis of 3 Common CardioGen-82 ⁸² Rb Infusion System Injection Methods and Their Impact on Clinical Volume and Image Counts. <i>Journal of Nuclear Medicine Technology</i> , 2015, 43, 113-116.	0.8	3

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55	Repeatability of Fractional Flow Reserve Despite Variations in Systemic and Coronary Hemodynamics. JACC: Cardiovascular Interventions, 2015, 8, 1018-1027.	2.9	83
56	Regadenoson Versus Dipyridamole Hyperemia for Cardiac PET Imaging. JACC: Cardiovascular Imaging, 2015, 8, 438-447.	5.3	73
57	History and Development of Coronary Flow Reserve and Fractional Flow Reserve for Clinical Applications. Interventional Cardiology Clinics, 2015, 4, 397-410.	0.4	7
58	Deferral vs. performance of percutaneous coronary intervention of functionally non-significant coronary stenosis: 15-year follow-up of the DEFER trial. European Heart Journal, 2015, 36, 3182-3188.	2.2	406
59	Prognostic Value of Fractional Flow Reserve. Journal of the American College of Cardiology, 2014, 64, 1641-1654.	2.8	513
60	Physiology of endothelin in producing myocardial perfusion heterogeneity: A mechanistic study using darusentan and positron emission tomography. Journal of Nuclear Cardiology, 2013, 20, 835-844.	2.1	13
61	Anatomic Versus Physiologic Assessment of Coronary Artery Disease. Journal of the American College of Cardiology, 2013, 62, 1639-1653.	2.8	495
62	Coronary Anatomy to Predict Physiology. Circulation: Cardiovascular Imaging, 2013, 6, 817-832.	2.6	79
63	Performance of electrocardiographic criteria to differentiate Takotsubo cardiomyopathy from acute anterior ST elevation myocardial infarction. International Journal of Cardiology, 2013, 164, 345-348.	1.7	34
64	Integrating Noninvasive Absolute Flow, Coronary Flow Reserve, and Ischemic Thresholds Into a Comprehensive Map of Physiological Severity. JACC: Cardiovascular Imaging, 2012, 5, 430-440.	5.3	197
65	Letter to the Editor regarding "PET: Is myocardial flow quantification a clinical reality?" Journal of Nuclear Cardiology, 2012, 19, 1243-1244.	2.1	2
66	Post-intervention coronary pseudoaneurysm treated with a covered stent. Texas Heart Institute Journal, 2012, 39, 448-9.	0.3	5
67	Coronary Branch Steal. Circulation: Cardiovascular Imaging, 2010, 3, 701-709.	2.6	39
68	Shifted Helical Computed Tomography to Optimize Cardiac Positron Emission Tomography—Computed Tomography Coregistration: Quantitative Improvement and Limitations. Molecular Imaging, 2010, 9, 7290.2010.00015.	1.4	5