

# R Glenn Wells

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

1,095  
citations

623734

14  
h-index

414414

32  
g-index

57  
all docs

57  
docs citations

57  
times ranked

941  
citing authors

#	ARTICLE	IF	CITATIONS
1	Noise heterogeneity in attenuation-corrected cardiac SPECT images increases perfusion value uncertainty near the base of the heart. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 1284-1293.	2.1	4
2	Dynamic phantoms: Making the right tool for the job. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 2310-2312.	2.1	1
3	Reduced acquisition times for measurement of myocardial blood flow with <sup>99m</sup> Tc-tetrofosmin and solid-state detector SPECT. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 2518-2529.	2.1	6
4	Measuring SPECT myocardial blood flow at the University of Ottawa Heart Institute. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 1298-1303.	2.1	7
5	Patient-specific SPECT imaging protocols to standardize image noise. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 225-233.	2.1	3
6	Acquisition, Processing, and Interpretation of PET 18F-FDG Viability and Inflammation Studies. <i>Current Cardiology Reports</i> , 2021, 23, 124.	2.9	6
7	Feasibility of attenuation map alignment in pinhole cardiac SPECT using exponential data consistency conditions. <i>Medical Physics</i> , 2021, 48, 4955-4965.	3.0	3
8	Guidelines on Setting Up Stations for Remote Viewing of Nuclear Medicine and Molecular Imaging Studies During COVID-19. <i>Journal of Nuclear Medicine Technology</i> , 2021, 49, 2-6.	0.8	4
9	Cardiac myocardial perfusion imaging with new SPECT cameras: Comparing apples and oranges. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 1270-1273.	2.1	1
10	Dose reduction is good but it is image quality that matters. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 238-240.	2.1	14
11	A Clinical Tool to Identify Candidates for Stress-First Myocardial Perfusion Imaging. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 2193-2202.	5.3	8
12	Test-Retest Precision of Myocardial Blood Flow Measurements With <sup>99m</sup> Tc-Tetrofosmin and Solid-State Detector Single Photon Emission Computed Tomography. <i>Circulation: Cardiovascular Imaging</i> , 2020, 13, e009769.	2.6	16
13	Does time-of-flight improve image quality in the heart?. <i>Journal of Nuclear Cardiology</i> , 2019, 26, 413-416.	2.1	2
14	SPECT quantification of myocardial blood flow: A journey of a thousand miles begins with a single step (Lao Tzu, Chinese philosopher, 604-531 BC). <i>Journal of Nuclear Cardiology</i> , 2019, 26, 772-774.	2.1	3
15	Patient-specific estimation of spatially variant image noise for a pinhole cardiac SPECT camera. <i>Medical Physics</i> , 2018, 45, 2033-2047.	3.0	6
16	Single CT for attenuation correction of rest/stress cardiac SPECT perfusion imaging. <i>Journal of Nuclear Cardiology</i> , 2018, 25, 616-624.	2.1	8
17	Lesion contrast recovery for partial-volume averaging: Quantitative correction or qualitative enhancement?. <i>Journal of Nuclear Cardiology</i> , 2018, 25, 1757-1759.	2.1	1
18	Contemporary Cardiac SPECT Imaging—Innovations and Best Practices: An Information Statement from the American Society of Nuclear Cardiology. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e000020.	2.6	14

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19	Single Photon Emission Computed Tomography (SPECT) Myocardial Perfusion Imaging Guidelines: Instrumentation, Acquisition, Processing, and Interpretation. <i>Journal of Nuclear Cardiology</i> , 2018, 25, 1784-1846.	2.1	241
20	Contemporary Cardiac SPECT Imaging—Innovations and Best Practices: An Information Statement from the American Society of Nuclear Cardiology. <i>Journal of Nuclear Cardiology</i> , 2018, 25, 1847-1860.	2.1	27
21	The dream of imaging coronary artery inflammation with FDG PET/CT imaging. <i>Journal of Nuclear Cardiology</i> , 2017, 24, 1171-1174.	2.1	4
22	Validation of a Multimodality Flow Phantom and Its Application for Assessment of Dynamic SPECT and PET Technologies. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 132-141.	8.9	14
23	Optimization of SPECT Measurement of Myocardial Blood Flow with Corrections for Attenuation, Motion, and Blood Binding Compared with PET. <i>Journal of Nuclear Medicine</i> , 2017, 58, 2013-2019.	5.0	88
24	New solid state cadmium-zinc-telluride technology for cardiac single photon emission computed tomographic myocardial perfusion imaging. <i>Expert Review of Medical Devices</i> , 2017, 14, 213-222.	2.8	14
25	Quantification of Myocardial Blood Flow with CZT SPECT Imaging: Is It Ready for Clinical Use?. <i>Current Cardiovascular Imaging Reports</i> , 2017, 10, 1.	0.6	2
26	Analytically based photon scatter modeling for a multipinhole cardiac SPECT camera. <i>Medical Physics</i> , 2016, 43, 6098-6108.	3.0	3
27	A modified TEW approach to scatter correction for In <sup>111</sup> and Tc <sup>99m</sup> dual-isotope small-animal SPECT. <i>Medical Physics</i> , 2016, 43, 5503-5513.	3.0	6
28	Instrumentation in molecular imaging. <i>Journal of Nuclear Cardiology</i> , 2016, 23, 1343-1347.	2.1	11
29	Evaluation of Apoptosis with <sup>99m</sup> Tc-rhAnnexin V-128 and Inflammation with <sup>18</sup> F-FDG in a Low-Dose Irradiation Model of Atherosclerosis in Apolipoprotein E-deficient Mice. <i>Journal of Nuclear Medicine</i> , 2016, 57, 1784-1791.	5.0	8
30	Respiratory motion resulting in a pseudo-ischemia pattern on stress PET-CT imaging. <i>Journal of Nuclear Cardiology</i> , 2016, 23, 159-160.	2.1	6
31	Quantitatively accurate activity measurements with a dedicated cardiac SPECT camera: Physical phantom experiments. <i>Medical Physics</i> , 2015, 43, 44-51.	3.0	5
32	Patient position alters attenuation effects in multipinhole cardiac SPECT. <i>Medical Physics</i> , 2015, 42, 1233-1240.	3.0	14
33	Flow-Dependent Uptake of <sup>123</sup> I-CMICE-013, a Novel SPECT Perfusion Agent, Compared with Standard Tracers. <i>Journal of Nuclear Medicine</i> , 2015, 56, 764-770.	5.0	6
34	Scatter correction improves concordance in SPECT MPI with a dedicated cardiac SPECT solid-state camera. <i>Journal of Nuclear Cardiology</i> , 2015, 22, 334-343.	2.1	25
35	Reduced dose measurement of absolute myocardial blood flow using dynamic SPECT imaging in a porcine model. <i>Medical Physics</i> , 2015, 42, 5075-5083.	3.0	9
36	New SPECT and PET Radiopharmaceuticals for Imaging Cardiovascular Disease. <i>BioMed Research International</i> , 2014, 2014, 1-24.	1.9	52

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37	Detection and severity classification of extracardiac interference in $^{82}\text{Rb}$ PET myocardial perfusion imaging. <i>Medical Physics</i> , 2014, 41, 102501.	3.0	7
38	Development and optimization of SPECT gated blood pool cluster analysis for the prediction of CRT outcome. <i>Medical Physics</i> , 2014, 41, 072506.	3.0	5
39	Biodistribution and radiodosimetry of a novel myocardial perfusion tracer $^{123}\text{I}$ -CMICE-013 in healthy rats. <i>EJNMMI Research</i> , 2014, 4, 16.	2.5	4
40	Dynamic SPECT Measurement of Absolute Myocardial Blood Flow in a Porcine Model. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1685-1691.	5.0	134
41	Characterization of the four isomers of $^{123}\text{I}$ -CMICE-013: A potential SPECT myocardial perfusion imaging agent. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 2033-2044.	3.0	6
42	Toxicological Evaluation of a Rotenone Derivative in Rodents for Clinical Myocardial Perfusion Imaging. <i>Cardiovascular Toxicology</i> , 2014, 14, 170-182.	2.7	3
43	Comparison of attenuation, dual-energy-window, and model-based scatter correction of low-count SPECT to $^{82}\text{Rb}$ PET/CT quantified myocardial perfusion scores. <i>Journal of Nuclear Cardiology</i> , 2013, 20, 785-796.	2.1	6
44	Planar radionuclide angiography with a dedicated cardiac SPECT camera. <i>Journal of Nuclear Cardiology</i> , 2013, 20, 358-366.	2.1	27
45	Synthesis and characterization of $^{123}\text{I}$ -CMICE-013: A potential SPECT myocardial perfusion imaging agent. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 2903-2911.	3.0	15
46	Respiratory phase alignment improves blood-flow quantification in $^{82}\text{Rb}$ PET myocardial perfusion imaging. <i>Medical Physics</i> , 2013, 40, 022503.	3.0	16
47	Position dependent attenuation artifacts with a multi-pinhole dedicated cardiac camera. , 2012, , .		2
48	Comparing slow-versus high-speed CT for attenuation correction of cardiac SPECT perfusion studies. <i>Journal of Nuclear Cardiology</i> , 2012, 19, 719-726.	2.1	10
49	Single-Phase CT Aligned to Gated PET for Respiratory Motion Correction in Cardiac PET/CT. <i>Journal of Nuclear Medicine</i> , 2010, 51, 1182-1190.	5.0	35
50	Attenuation correction of multiplexed multi-pinhole microSPECT reconstruction. , 2010, , .		0
51	Half-Time SPECT Myocardial Perfusion Imaging with Attenuation Correction. <i>Journal of Nuclear Medicine</i> , 2009, 50, 554-562.	5.0	103
52	Imaging of Gene Expression in Live Pancreatic Islet Cell Lines Using Dual-Isotope SPECT. <i>Journal of Nuclear Medicine</i> , 2008, 49, 94-102.	5.0	26
53	Respiration-Averaged CT for Attenuation Correction in Canine Cardiac PET/CT. <i>Journal of Nuclear Medicine</i> , 2007, 48, 811-818.	5.0	48
54	Respiratory-motion errors in quantitative myocardial perfusion with PET/CT. , 2007, , .		2

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55	Anatomical priors to improve image quality in small-animal SPECT/CT., 2007, , .		2