R Glenn Wells

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4969683/publications.pdf

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	Single Photon Emission Computed Tomography (SPECT) Myocardial Perfusion Imaging Guidelines: Instrumentation, Acquisition, Processing, and Interpretation. Journal of Nuclear Cardiology, 2018, 25, 1784-1846.	2.1	241
2	Dynamic SPECT Measurement of Absolute Myocardial Blood Flow in a Porcine Model. Journal of Nuclear Medicine, 2014, 55, 1685-1691.	5.0	134
3	Half-Time SPECT Myocardial Perfusion Imaging with Attenuation Correction. Journal of Nuclear Medicine, 2009, 50, 554-562.	5.0	103
4	Optimization of SPECT Measurement of Myocardial Blood Flow with Corrections for Attenuation, Motion, and Blood Binding Compared with PET. Journal of Nuclear Medicine, 2017, 58, 2013-2019.	5.0	88
5	New SPECT and PET Radiopharmaceuticals for Imaging Cardiovascular Disease. BioMed Research International, 2014, 2014, 1-24.	1.9	52
6	Respiration-Averaged CT for Attenuation Correction in Canine Cardiac PET/CT. Journal of Nuclear Medicine, 2007, 48, 811-818.	5.0	48
7	Single-Phase CT Aligned to Gated PET for Respiratory Motion Correction in Cardiac PET/CT. Journal of Nuclear Medicine, 2010, 51, 1182-1190.	5.0	35
8	Planar radionuclide angiography with a dedicated cardiac SPECT camera. Journal of Nuclear Cardiology, 2013, 20, 358-366.	2.1	27
9	Contemporary Cardiac SPECT Imagingâ€"Innovations and Best Practices: An Information Statement from the American Society of Nuclear Cardiology. Journal of Nuclear Cardiology, 2018, 25, 1847-1860.	2.1	27
10	Imaging of Gene Expression in Live Pancreatic Islet Cell Lines Using Dual-Isotope SPECT. Journal of Nuclear Medicine, 2008, 49, 94-102.	5.0	26
11	Scatter correction improves concordance in SPECT MPI with a dedicated cardiac SPECT solid-state camera. Journal of Nuclear Cardiology, 2015, 22, 334-343.	2.1	25
12	Respiratory phase alignment improves blood-flow quantification in Rb82 PET myocardial perfusion imaging. Medical Physics, 2013, 40, 022503.	3.0	16
13	Test-Retest Precision of Myocardial Blood Flow Measurements With ^{99m} Tc-Tetrofosmin and Solid-State Detector Single Photon Emission Computed Tomography. Circulation: Cardiovascular Imaging, 2020, 13, e009769.	2.6	16
14	Synthesis and characterization of 123I-CMICE-013: A potential SPECT myocardial perfusion imaging agent. Bioorganic and Medicinal Chemistry, 2013, 21, 2903-2911.	3.0	15
15	Patient position alters attenuation effects in multipinhole cardiac SPECT. Medical Physics, 2015, 42, 1233-1240.	3.0	14
16	Validation of a Multimodality Flow Phantom and Its Application for Assessment of Dynamic SPECT and PET Technologies. IEEE Transactions on Medical Imaging, 2017, 36, 132-141.	8.9	14
17	New solid state cadmium-zinc-telluride technology for cardiac single photon emission computed tomographic myocardial perfusion imaging. Expert Review of Medical Devices, 2017, 14, 213-222.	2.8	14
18	Contemporary Cardiac SPECT Imagingâ€"Innovations and Best Practices: An Information Statement from the American Society of Nuclear Cardiology. Circulation: Cardiovascular Imaging, 2018, 11, e000020.	2.6	14

#	Article	IF	Citations
19	Dose reduction is good but it is image quality that matters. Journal of Nuclear Cardiology, 2020, 27, 238-240.	2.1	14
20	Instrumentation in molecular imaging. Journal of Nuclear Cardiology, 2016, 23, 1343-1347.	2.1	11
21	Comparing slow-versus high-speed CT for attenuation correction of cardiac SPECT perfusion studies. Journal of Nuclear Cardiology, 2012, 19, 719-726.	2.1	10
22	Reduced dose measurement of absolute myocardial blood flow using dynamic SPECT imaging in a porcine model. Medical Physics, 2015, 42, 5075-5083.	3.0	9
23	Evaluation of Apoptosis with ^{99m}Tc-rhAnnexin V-128 and Inflammation with ¹⁸F-FDG in a Low-Dose Irradiation Model of Atherosclerosis in Apolipoprotein Eâ€“Deficient Mice. Journal of Nuclear Medicine, 2016, 57, 1784-1791.	5.0	8
24	Single CT for attenuation correction of rest/stress cardiac SPECT perfusion imaging. Journal of Nuclear Cardiology, 2018, 25, 616-624.	2.1	8
25	A Clinical Tool to Identify Candidates for Stress-First Myocardial Perfusion Imaging. JACC: Cardiovascular Imaging, 2020, 13, 2193-2202.	5.3	8
26	Detection and severity classification of extracardiac interference in ⁸²Rb PET myocardial perfusion imaging. Medical Physics, 2014, 41, 102501.	3.0	7
27	Measuring SPECT myocardial blood flow at the University of Ottawa Heart Institute. Journal of Nuclear Cardiology, 2021, 28, 1298-1303.	2.1	7
28	Comparison of attenuation, dual-energy-window, and model-based scatter correction of low-count SPECT to 82Rb PET/CT quantified myocardial perfusion scores. Journal of Nuclear Cardiology, 2013, 20, 785-796.	2.1	6
29	Characterization of the four isomers of 123I-CMICE-013: A potential SPECT myocardial perfusion imaging agent. Bioorganic and Medicinal Chemistry, 2014, 22, 2033-2044.	3.0	6
30	Flow-Dependent Uptake of 123I-CMICE-013, a Novel SPECT Perfusion Agent, Compared with Standard Tracers. Journal of Nuclear Medicine, 2015, 56, 764-770.	5.0	6
31	A modified TEW approach to scatter correction for Inâ€111 and Tcâ€99m dualâ€isotope smallâ€animal SPECT. Medical Physics, 2016, 43, 5503-5513.	3.0	6
32	Respiratory motion resulting in a pseudo-ischemia pattern on stress PETâ€“CT imaging. Journal of Nuclear Cardiology, 2016, 23, 159-160.	2.1	6
33	Patientâ€specific estimation of spatially variant image noise for a pinhole cardiac <scp>SPECT</scp> camera. Medical Physics, 2018, 45, 2033-2047.	3.0	6
34	Reduced acquisition times for measurement of myocardial blood flow with 99mTc-tetrofosmin and solid-state detector SPECT. Journal of Nuclear Cardiology, 2021, 28, 2518-2529.	2.1	6
35	Acquisition, Processing, and Interpretation of PET 18F-FDG Viability and Inflammation Studies. Current Cardiology Reports, 2021, 23, 124.	2.9	6
36	Development and optimization of SPECT gated blood pool cluster analysis for the prediction of CRT outcome. Medical Physics, 2014, 41, 072506.	3.0	5

#	Article	IF	Citations
37	Quantitatively accurate activity measurements with a dedicated cardiac SPECT camera: Physical phantom experiments. Medical Physics, 2015, 43, 44-51.	3.0	5
38	Biodistribution and radiodosimetry of a novel myocardial perfusion tracer 123I-CMICE-013 in healthy rats. EJNMMI Research, 2014, 4, 16.	2.5	4
39	The dream of imaging coronary artery inflammation with FDG PET/CT imaging. Journal of Nuclear Cardiology, 2017, 24, 1171-1174.	2.1	4
40	Noise heterogeneity in attenuation-corrected cardiac SPECT images increases perfusion value uncertainty near the base of the heart. Journal of Nuclear Cardiology, 2021, 28, 1284-1293.	2.1	4
41	Guidelines on Setting Up Stations for Remote Viewing of Nuclear Medicine and Molecular Imaging Studies During COVID-19. Journal of Nuclear Medicine Technology, 2021, 49, 2-6.	0.8	4
42	Toxicological Evaluation of a Rotenone Derivative in Rodents for Clinical Myocardial Perfusion Imaging. Cardiovascular Toxicology, 2014, 14, 170-182.	2.7	3
43	Analytically based photon scatter modeling for a multipinhole cardiac SPECT camera. Medical Physics, 2016, 43, 6098-6108.	3.0	3
44	SPECT quantification of myocardial blood flow: A journey of a thousand miles begins with a single step (Lao Tzu, Chinese philosopher, 604-531 BC). Journal of Nuclear Cardiology, 2019, 26, 772-774.	2.1	3
45	Patient-specific SPECT imaging protocols to standardize image noise. Journal of Nuclear Cardiology, 2021, 28, 225-233.	2.1	3
46	Feasibility of attenuation map alignment in pinhole cardiac SPECT using exponential data consistency conditions. Medical Physics, 2021, 48, 4955-4965.	3.0	3
47	Respiratory-motion errors in quantitative myocardial perfusion with PET/CT. , 2007, , .		2
48	Anatomical priors to improve image quality in small-animal SPECT/CT. , 2007, , .		2
49	Position dependent attenuation artifacts with a multi-pinhole dedicated cardiac camera. , 2012, , .		2
50	Quantification of Myocardial Blood Flow with CZT SPECT Imaging: Is It Ready for Clinical Use?. Current Cardiovascular Imaging Reports, 2017, 10, 1.	0.6	2
51	Does time-of-flight improve image quality in the heart?. Journal of Nuclear Cardiology, 2019, 26, 413-416.	2.1	2
52	Lesion contrast recovery for partial-volume averaging: Quantitative correction or qualitative enhancement?. Journal of Nuclear Cardiology, 2018, 25, 1757-1759.	2.1	1
53	Cardiac myocardial perfusion imaging with new SPECT cameras: Comparing apples and oranges. Journal of Nuclear Cardiology, 2020, 27, 1270-1273.	2.1	1
54	Dynamic phantoms: Making the right tool for the job. Journal of Nuclear Cardiology, 2021, 28, 2310-2312.	2.1	1

#	Article	IF	Citations
55	Attenuation correction of multiplexed multi-pinhole microSPECT reconstruction. , 2010, , .		0