Albert J Sinusas

List of Publications by Year
in descending order

216 papers	6,374 citations	81434 41 h-index	97045 71 g-index
221 all docs	221 docs citations	221 times ranked	6832 citing authors

#	Article	IF	Citations
1	Increasing angular sampling through deep learning for stationary cardiac SPECT image reconstruction. Journal of Nuclear Cardiology, 2023, 30, 86-100.	1.4	5
2	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.	1.4	11
3	Anger recall mental stress decreases 123I-metaiodobenzylguanidine (123I-MIBG) uptake and increases heterogeneity of cardiac sympathetic activity in the myocardium in patients with ischemic cardiomyopathy. Journal of Nuclear Cardiology, 2022, 29, 798-809.	1.4	3
4	Prototype device for endoventricular beta-emitting radiotracer detection and molecularly-guided intervention. Journal of Nuclear Cardiology, 2022, 29, 663-676.	1.4	5
5	11C-acetate PET: A powerful tool to analyze metabolic and functional changes in the heart related to alcohol consumption. Journal of Nuclear Cardiology, 2022, 29, 289-292.	1.4	3
6	Feasibility study of PET dynamic imaging of [18F]DHMT for quantification of reactive oxygen species in the myocardium of large animals. Journal of Nuclear Cardiology, 2022, 29, 216-225.	1.4	5
7	CT-free attenuation correction for dedicated cardiac SPECT using a 3D dual squeeze-and-excitation residual dense network. Journal of Nuclear Cardiology, 2022, 29, 2235-2250.	1.4	29
8	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.	1.4	21
9	Clinical Deployment of Explainable Artificial Intelligence of SPECT for Diagnosis of Coronary Artery Disease. JACC: Cardiovascular Imaging, 2022, 15, 1091-1102.	2.3	44
10	Determining a minimum set of variables for machine learning cardiovascular event prediction: results from REFINE SPECT registry. Cardiovascular Research, 2022, 118, 2152-2164.	1.8	26
11	Quantifying radiotracer activity on cardiac sympathetic imaging: Does it really matter?. Journal of Nuclear Cardiology, 2022, 29, 426-429.	1.4	0
12	Novel SPECT and PET Tracers and Myocardial Imaging. , 2022, , 189-228.		0
13	Post-reconstruction attenuation correction for SPECT myocardium perfusion imaging facilitated by deep learning-based attenuation map generation. Journal of Nuclear Cardiology, 2022, 29, 2881-2892.	1.4	13
14	Comparison of diabetes to other prognostic predictors among patients referred for cardiac stress testing: A contemporary analysis from the REFINE SPECT Registry. Journal of Nuclear Cardiology, 2022, 29, 3003-3014.	1.4	6
15	Data Management and Network Architecture Effect on Performance Variability in Direct Attenuation Correction via Deep Learning for Cardiac SPECT: A Feasibility Study. IEEE Transactions on Radiation and Plasma Medical Sciences, 2022, 6, 755-765.	2.7	0
16	Nuclear Cardiac Imaging in the Interventional Suite. Current Cardiology Reports, 2022, 24, 261.	1.3	2
17	Regional heterogeneity in determinants of atrial matrix remodeling and association with atrial fibrillation vulnerability postmyocardial infarction. Heart Rhythm, 2022, , .	0.3	4
18	Direct and indirect strategies of deep-learning-based attenuation correction for general purpose and dedicated cardiac SPECT. European Journal of Nuclear Medicine and Molecular Imaging, 2022, 49, 3046-3060.	3.3	22

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19	Prevalence and predictors of automatically quantified myocardial ischemia within a multicenter international registry. Journal of Nuclear Cardiology, 2022, 29, 3221-3232.	1.4	3
20	Multimodality Advanced Cardiovascular and Molecular Imaging for Early Detection and Monitoring of Cancer Therapy-Associated Cardiotoxicity and the Role of Artificial Intelligence and Big Data. Frontiers in Cardiovascular Medicine, 2022, 9, 829553.	1.1	11
21	Handling missing values in machine learning to predict patient-specific risk of adverse cardiac events: Insights from REFINE SPECT registry. Computers in Biology and Medicine, 2022, 145, 105449.	3.9	14
22	Atrial AMP-activated protein kinase is critical for prevention of dysregulation of electrical excitability and atrial fibrillation. JCI Insight, 2022, 7, .	2.3	6
23	Novel Cardiac Computed Tomography Methods for the Assessment of Anthracycline Induced Cardiotoxicity. Frontiers in Cardiovascular Medicine, 2022, 9, 875150.	1.1	6
24	Explainable Deep Learning Improves Physician Interpretation of Myocardial Perfusion Imaging. Journal of Nuclear Medicine, 2022, , jnumed.121.263686.	2.8	7
25	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, .	1.3	2
26	New approach for quantification of left ventricular function from low-dose gated bloodpool SPECT: Validation and comparison with conventional methods in patients. Journal of Nuclear Cardiology, 2021, 28, 939-950.	1.4	7
27	Quantification of myocardial blood flow (MBF) and reserve (MFR) incorporated with a novel segmentation approach: Assessments of quantitative precision and the lower limit of normal MBF and MFR in patients. Journal of Nuclear Cardiology, 2021, 28, 1236-1248.	1.4	0
28	Prognostic Value of Radiotracer-Based Perfusion Imaging in Critical Limb Ischemia Patients Undergoing Lower Extremity Revascularization. JACC: Cardiovascular Imaging, 2021, 14, 1614-1624.	2.3	11
29	Prognostically safe stress-only single-photon emission computed tomography myocardial perfusion imaging guided by machine learning: report from REFINE SPECT. European Heart Journal Cardiovascular Imaging, 2021, 22, 705-714.	0.5	38
30	Evaluation of cardiac allograft vasculopathy by positron emission tomography. Journal of Nuclear Cardiology, 2021, 28, 2616-2628.	1.4	5
31	Arteriovenous fistula-induced cardiac remodeling shows cardioprotective features in mice. JVS Vascular Science, 2021, 2, 110-128.	0.4	2
32	Left ventricular myocardial strain and tissue characterization by cardiac magnetic resonance imaging in immune checkpoint inhibitor associated cardiotoxicity. PLoS ONE, 2021, 16, e0246764.	1.1	19
33	Direct image-based attenuation correction using conditional generative adversarial network for SPECT myocardial perfusion imaging. , 2021, 11600, .		10
34	Quantitation of Poststress Change in Ventricular Morphology Improves Risk Stratification. Journal of Nuclear Medicine, 2021, 62, 1582-1590.	2.8	7
35	Impact of Early Revascularization on Major Adverse Cardiovascular Events inÂRelation to Automatically QuantifiedÂIschemia. JACC: Cardiovascular Imaging, 2021, 14, 644-653.	2.3	28
36	57884 Fast strain-encoded cardiac magnetic resonance detects immune checkpoint inhibitor associated cardiotoxicity. Journal of Clinical and Translational Science, 2021, 5, 141-142.	0.3	0

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37	Shape-Regularized Unsupervised Left Ventricular Motion Network With Segmentation Capability In 3d+Time Echocardiography. , 2021, 2021, 536-540.		0
38	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.	1.3	13
39	Impaired Myocardial Flow Reserve on ^{82}Rubidium Positron Emission Tomography/Computed Tomography in Patients With Systemic Sclerosis. Journal of Rheumatology, 2021, 48, 1574-1582.	1.0	2
40	Learning-Based Regularization for Cardiac Strain Analysis via Domain Adaptation. IEEE Transactions on Medical Imaging, 2021, 40, 2233-2245.	5.4	12
41	Association Between Impaired Myocardial Flow Reserve on ^{82} Rubidium Positron Emission Tomography Imaging and Adverse Events in Patients With Autoimmune Rheumatic Disease. Circulation: Cardiovascular Imaging, 2021, 14, e012208.	1.3	7
42	Use of peripheral arterial tonometry in detection of abnormal coronary flow reserve. Microvascular Research, 2021, 138, 104223.	1.1	2
43	Multi-frame Attention Network for Left Ventricle Segmentation in 3D Echocardiography. Lecture Notes in Computer Science, 2021, 12901, 348-357.	1.0	7
44	Left atrial evaluation by cardiovascular magnetic resonance: sensitive and unique biomarkers. European Heart Journal Cardiovascular Imaging, 2021, 23, 14-30.	0.5	19
45	Multi-Tracer Positron Emission Tomography Quantification of Sympathetic Innervation. JACC: Cardiovascular Imaging, 2021, 14, 1437-1439.	2.3	2
46	Prevalence and characteristics of coronary microvascular dysfunction among chest pain patients in the emergency department. European Heart Journal: Acute Cardiovascular Care, 2020, 9, 5-13.	0.4	33
47	Serial Assessment of Coronary Flow Reserve by Rubidium-82 Positron Emission Tomography Predicts Mortality in Heart Transplant Recipients. JACC: Cardiovascular Imaging, 2020, 13, 109-120.	2.3	38
48	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.	1.4	17
49	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.	1.4	74
50	Cardiac Imaging in Heart Failure. , 2020, , 418-448.e5.		0
51	5-Year Prognostic Value of QuantitativeÂVersus Visual MPI in SubtleÂPerfusionÂDefects. JACC: Cardiovascular Imaging, 2020, 13, 774-785.	2.3	70
52	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.	0.5	70
53	Extracellular pH mapping of liver cancer on a clinical 3T MRI scanner. Magnetic Resonance in Medicine, 2020, 83, 1553-1564.	1.9	30
54	First-in-Human Experience With Peritoneal Direct Sodium Removal Using a Zero-Sodium Solution. Circulation, 2020, 141, 1043-1053.	1.6	23

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55	Imaging the Landmarks of Vascular Recovery. Theranostics, 2020, 10, 1733-1745.	4.6	8
56	Myocardial Ischemic Burden and Differences in Prognosis Among Patients With and Without Diabetes: Results From the Multicenter International REFINE SPECT Registry. Diabetes Care, 2020, 43, 453-459.	4.3	21
57	Imaging of Injectable Hydrogels Delivered into Myocardium with SPECT/CT. Advanced Healthcare Materials, 2020, 9, e2000294.	3.9	22
58	A Semi-Supervised Joint Learning Approach to Left Ventricular Segmentation and Motion Tracking in Echocardiography. , 2020, 2020, 1734-1737.		12
59	Computed Tomographic Angiography Assessment of Epicardial Coronary Vasoreactivity for Early Detection of Doxorubicin-Induced Cardiotoxicity. JACC: CardioOncology, 2020, 2, 207-219.	1.7	11
60	Targeted Imaging of Abdominal Aortic Aneurysm. Circulation: Cardiovascular Imaging, 2020, 13, e010495.	1.3	3
61	SPECT/CT imaging of lower extremity perfusion reserve: A non-invasive correlate to exercise tolerance and cardiovascular fitness in patients undergoing clinically indicated myocardial perfusion imaging. Journal of Nuclear Cardiology, 2020, 27, 1923-1933.	1.4	5
62	Regional myocardial strain analysis via 2D speckle tracking echocardiography: validation with sonomicrometry and correlation with regional blood flow in the presence of graded coronary stenoses and dobutamine stress. Cardiovascular Ultrasound, 2020, 18, 2.	0.5	14
63	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.	0.5	21
64	Molecular Imaging of Extracellular Tumor pH to Reveal Effects of Locoregional Therapy on Liver Cancer Microenvironment. Clinical Cancer Research, 2020, 26, 428-438.	3.2	34
65	Dual Angiotensin Receptor-Neprilysin Inhibition With Sacubitril/Valsartan Attenuates Systolic Dysfunction in Experimental Doxorubicin-Induced Cardiotoxicity. JACC: CardioOncology, 2020, 2, 774-787.	1.7	30
66	Idarubicin-Loaded ONCOZENE Drug-Eluting Bead Chemoembolization in a Rabbit Liver Tumor Model: Investigating Safety, Therapeutic Efficacy, and Effects on Tumor Microenvironment. Journal of Vascular and Interventional Radiology, 2020, 31, 1706-1716.e1.	0.2	9
67	A Semi-supervised Joint Network for Simultaneous Left Ventricular Motion Tracking and Segmentation in 4D Echocardiography. Lecture Notes in Computer Science, 2020, 12266, 468-477.	1.0	14
68	Unsupervised Motion Tracking of Left Ventricle in Echocardiography. Proceedings of SPIE, 2020, 11319, .	0.8	3
69	Single-photon Emission Computed Tomography–Computed Tomography Using ^{99m}Tc-labeled Leukocytes for Evaluating Infection Associated with a Cranial Implant in a Rhesus Macaque (*Macaca mulatta*). Comparative Medicine, 2019, 69, 249-256.	0.4	3
70	Molecular Imaging Targets in Heart Failure and Left Ventricular Remodeling. , 2019, , 405-435.		0
71	Noninvasive In Vivo Quantification of Adeno-Associated Virus Serotype 9–Mediated Expression of the Sodium/Iodide Symporter Under Hindlimb Ischemia and Neuraminidase Desialylation in Skeletal Muscle Using Single-Photon Emission Computed Tomography/Computed Tomography. Circulation: Cardiovascular Imaging, 2019, 12, e009063.	1.3	8
72	A robust segmentation method with triple‐factor non‐negative matrix factorization for myocardial blood flow quantification from dynamic ^{82}Rb positron emission tomography. Medical Physics, 2019, 46, 5002-5013.	1.6	3

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73	Application of Hybrid Matrix Metalloproteinase-Targeted and Dynamic ^{201}Tl Single-Photon Emission Computed Tomography/Computed Tomography Imaging for Evaluation of Early Post-Myocardial Infarction Remodeling. Circulation: Cardiovascular Imaging, 2019, 12, e009055.	1.3	18
74	Restoration of brain circulation and cellular functions hours post-mortem. Nature, 2019, 568, 336-343.	13.7	175
75	Flow network tracking for spatiotemporal and periodic point matching: Applied to cardiac motion analysis. Medical Image Analysis, 2019, 55, 116-135.	7.0	16
76	Molecular Imaging of the Heart. , 2019, 9, 477-533.		7
77	Angiotensin Receptor Neprilysin Inhibitor Attenuates Myocardial Remodeling and Improves Infarct Perfusion in Experimental Heart Failure. Scientific Reports, 2019, 9, 5791.	1.6	43
78	Left atrial fibrosis correlates with extent of left ventricular myocardial delayed enhancement and left ventricular strain in hypertrophic cardiomyopathy. International Journal of Cardiovascular Imaging, 2019, 35, 1309-1318.	0.7	19
79	Incisional Negative Pressure Wound Therapy Augments Perfusion and Improves Wound Healing in a Swine Model Pilot Study. Annals of Plastic Surgery, 2019, 82, S222-S227.	0.5	24
80	Prognostic and functional implications of left atrial late gadolinium enhancementÂcardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2019, 21, 2.	1.6	31
81	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.	2.8	113
82	Simplified Quantification and Acquisition Protocol for ^{123}I-MIBG Dynamic SPECT. Journal of Nuclear Medicine, 2018, 59, 1574-1580.	2.8	5
83	Deep Learning for Prediction of Obstructive Disease From Fast Myocardial Perfusion SPECT. JACC: Cardiovascular Imaging, 2018, 11, 1654-1663.	2.3	246
84	Diffusion Tensor CMR. JACC Basic To Translational Science, 2018, 3, 110-113.	1.9	0
85	Efficient Two-Pass 3-D Speckle Tracking for Ultrasound Imaging. IEEE Access, 2018, 6, 17415-17428.	2.6	7
86	Quantification of intramyocardial blood volume with 99mTc-RBC SPECT-CT imaging: A preclinical study. Journal of Nuclear Cardiology, 2018, 25, 2096-2111.	1.4	10
87	Noninvasive Evaluation of No-Reflow Phenomenon. Circulation: Cardiovascular Imaging, 2018, 11, e008576.	1.3	0
88	New Method for Quantification of the Left Ventricular Function from Low-dose Equilibrium Radionuclide Angiocardiography: Comparisons with Conventional Methods in Patients. , 2018, , .		0
89	InÂVivo Reactive Oxygen Species Detection With a Novel Positron Emission Tomography Tracer, 18F-DHMT, Allows for Early Detection of Anthracycline-Induced Cardiotoxicity in Rodents. JACC Basic To Translational Science, 2018, 3, 378-390.	1.9	46
90	Magnetic Resonance Imaging of Shear Stress and Wall Thickness in Tissue-Engineered Vascular Grafts. Tissue Engineering - Part C: Methods, 2018, 24, 465-473.	1.1	7

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91	Radiotracer Imaging Allows for Noninvasive Detection and Quantification of Abnormalities in Angiosome Foot Perfusion in Diabetic Patients With Critical Limb Ischemia and Nonhealing Wounds. Circulation: Cardiovascular Imaging, 2018, 11, e006932.	1.3	31
92	Cutaneous Toxicity in a Laboratory Beagle () after Chronic Administration of Doxorubicin Hydrochloride. Comparative Medicine, 2018, 68, 56-62.	0.4	1
93	CMR-Verified Lower LA Strain in the Presence of Regional Atrial Fibrosis in Atrial Fibrillation. JACC: Cardiovascular Imaging, 2017, 10, 207-208.	2.3	13
94	Editorial in response to: PET/CT evaluation of 18F-FDG uptake in pericoronary adipose tissue in patients with stable coronary artery disease: Independent predictor of atherosclerotic lesion formation?. Journal of Nuclear Cardiology, 2017, 24, 1085-1088.	1.4	2
95	Ranolazine and Microvascular Angina by PET in the Emergency Department: Results From a Pilot Randomized Controlled Trial. Clinical Therapeutics, 2017, 39, 55-63.	1.1	18
96	Imaging of the Cardiac Sympathetic Nervous System Has Potential Value in the Evaluation of Patients with Heart Failure with Preserved Ejection Fraction. Journal of Nuclear Medicine, 2017, 58, 781-783.	2.8	2
97	Recent Advances and Clinical Applications of PET Cardiac Autonomic Nervous System Imaging. Current Cardiology Reports, 2017, 19, 33.	1.3	33
98	PET-CMR in heart failure - synergistic or redundant imaging?. Heart Failure Reviews, 2017, 22, 477-489.	1.7	11
99	A blind deconvolution method incorporated with anatomical€based filtering for partial volume correction: Validations with 123I€mIBG cardiac SPECT/CT. Medical Physics, 2017, 44, 6435-6446.	1.6	6
100	An extremely high dietary iodide supply forestalls severe hypothyroidism in Na+/Iâ symporter (NIS) knockout mice. Scientific Reports, 2017, 7, 5329.	1.6	27
101	The Yale Fitness Intervention Trial in female cancer survivors: Cardiovascular and physiological outcomes. Heart and Lung: Journal of Acute and Critical Care, 2017, 46, 375-381.	0.8	17
102	Quantitative Assessment of Coronary Microvascular Function. Circulation: Cardiovascular Imaging, 2017, 10, .	1.3	119
103	Assessment of right ventricular metabolism: An emerging tool for monitoring pulmonary artery hypertension. Journal of Nuclear Cardiology, 2017, 24, 1990-1993.	1.4	2
104	GPU-based List-mode Direct Parametric Reconstruction for Dynamic Cardiac SPECT. , 2017, , .		1
105	Exercise, metabolic syndrome, and cardiovascular fitness in breast cancer survivors.. Journal of Clinical Oncology, 2017, 35, 165-165.	0.8	4
106	Optimized and Automated Radiosynthesis of [18F]DHMT for Translational Imaging of Reactive Oxygen Species with Positron Emission Tomography. Molecules, 2016, 21, 1696.	1.7	18
107	Quantification of myocardial blood flow with 82Rb: Validation with 15O-water using time-of-flight and point-spread-function modeling. EJNMMI Research, 2016, 6, 68.	1.1	34
108	Noise suppressed partial volume correction for cardiac SPECT/CT. Medical Physics, 2016, 43, 5225-5239.	1.6	12

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109	Event-by-Event Continuous Respiratory Motion Correction for Dynamic PET Imaging. Journal of Nuclear Medicine, 2016, 57, 1084-1090.	2.8	39
110	Quantitative Analysis of Dynamic ^{123}I-mIBG SPECT Imaging Data in Healthy Humans with a Population-Based Metabolite Correction Method. Journal of Nuclear Medicine, 2016, 57, 1226-1232.	2.8	17
111	Comparison of regional skeletal muscle tissue oxygenation in college athletes and sedentary control subjects using quantitative BOLD MR imaging. Physiological Reports, 2016, 4, e12903.	0.7	18
112	High-Sensitivity and High-Resolution SPECT/CT Systems Provide Substantial Dose Reduction Without Compromising Quantitative Precision for Assessment of Myocardial Perfusion and Function. Journal of Nuclear Medicine, 2016, 57, 893-899.	2.8	27
113	Novel Applications of Radionuclide Imaging in Peripheral Vascular Disease. Cardiology Clinics, 2016, 34, 167-177.	0.9	19
114	T1-refBlochi: high resolution 3D post-contrast T1 myocardial mapping based on a single 3D late gadolinium enhancement volume, Bloch equations, and a reference T1. Journal of Cardiovascular Magnetic Resonance, 2016, 19, 63.	1.6	16
115	Integrated Dynamic Shape Tracking and RF Speckle Tracking for Cardiac Motion Analysis. Lecture Notes in Computer Science, 2016, , 431-438.	1.0	6
116	Scatter and crosstalk corrections for ^{99m}Tc/^{123}I dualâ€radionuclide imaging using a CZT SPECT system with pinhole collimators. Medical Physics, 2015, 42, 6895-6911.	1.6	26
117	The impact of system matrix dimension on small FOV SPECT reconstruction with truncated projections. Medical Physics, 2015, 43, 213-224.	1.6	17
118	Assessment of kinetic modeling quality of fit by cluster analysis of residuals: Application to direct reconstruction of cardiac PET data. , 2015, , .		3
119	The role of molecular imaging in the evaluation of myocardial and peripheral angiogenesis. Annals of Nuclear Medicine, 2015, 29, 217-223.	1.2	11
120	ENPP1-Fc prevents mortality and vascular calcifications in rodent model of generalized arterial calcification of infancy. Nature Communications, 2015, 6, 10006.	5.8	102
121	Emerging Imaging Modalities in Regenerative Medicine. Current Pathobiology Reports, 2015, 3, 27-36.	1.6	14
122	Does a Shortened Hyperemia With Regadenoson Stress Pose a Concern forÂQuantitative Rb-82 PET Imaging?. JACC: Cardiovascular Imaging, 2015, 8, 448-450.	2.3	6
123	Creation of clinically relevant model of chronic heart failure: Application of multi-modality imaging to define physiology. Journal of Nuclear Cardiology, 2015, 22, 673-676.	1.4	0
124	Radiotracer Imaging of Peripheral Vascular Disease. Journal of Nuclear Medicine Technology, 2015, 43, 185-192.	0.4	24
125	Nanoparticles for Cardiovascular Imaging and Therapeutic Delivery, Part 1: Compositions and Features. Journal of Nuclear Medicine, 2015, 56, 1469-1475.	2.8	33
126	Nanoparticles for Cardiovascular Imaging and Therapeutic Delivery, Part 2: Radiolabeled Probes. Journal of Nuclear Medicine, 2015, 56, 1637-1641.	2.8	18

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127	Anatomical-based partial volume correction for low-dose dedicated cardiac SPECT/CT. Physics in Medicine and Biology, 2015, 60, 6751-6773.	1.6	16
128	Sparsity and Biomechanics Inspired Integration of Shape and Speckle Tracking for Cardiac Deformation Analysis. Lecture Notes in Computer Science, 2015, 9126, 57-64.	1.0	6
129	Multimodality Imaging Approach for Serial Assessment of Regional Changes in Lower Extremity Arteriogenesis and Tissue Perfusion in a Porcine Model of Peripheral Arterial Disease. Circulation: Cardiovascular Imaging, 2014, 7, 92-99.	1.3	33
130	Phase rotation in correlation coefficient filtering and multi-pass methods for 3-D speckle tracking in 4-D echocardiography. , 2014, , .		1
131	Clinical feasibility study to detect angiogenesis following bone marrow stem cell transplantation in chronic ischaemic heart failure. Nuclear Medicine Communications, 2014, 35, 839-848.	0.5	26
132	Reframing the Interpretation and Application of Exercise Electrocardiography. Journal of the American College of Cardiology, 2014, 63, 1275-1277.	1.2	0
133	Chemokine-coupled β2 integrin–induced macrophage Rac2–Myosin IIA interaction regulates VEGF-A mRNA stability and arteriogenesis. Journal of Experimental Medicine, 2014, 211, 1957-1968.	4.2	43
134	Biodistribution and Radiation Dosimetry of LMI1195: First-in-Human Study of a Novel ^{18}F-Labeled Tracer for Imaging Myocardial Innervation. Journal of Nuclear Medicine, 2014, 55, 1445-1451.	2.8	91
135	Contour tracking in echocardiographic sequences via sparse representation and dictionary learning. Medical Image Analysis, 2014, 18, 253-271.	7.0	78
136	Ceramide-Activated Phosphatase Mediates Fatty Acid–Induced Endothelial VEGF Resistance and Impaired Angiogenesis. American Journal of Pathology, 2014, 184, 1562-1576.	1.9	41
137	Targeted imaging of matrix metalloproteinase activity in the evaluation of remodeling tissue-engineered vascular grafts implanted in a growing lamb model. Journal of Thoracic and Cardiovascular Surgery, 2014, 148, 2227-2233.	0.4	19
138	Direct EM reconstruction of kinetic parameters from list-mode cardiac PET. , 2014, , .		9
139	Is Assessment of Absolute Myocardial Perfusion with SPECT Ready for Prime Time?. Journal of Nuclear Medicine, 2014, 55, 1573-1575.	2.8	15
140	Molecular imaging in cardiovascular disease: Which methods, which diseases?. Journal of Nuclear Cardiology, 2013, 20, 990-1001.	1.4	20
141	Simultaneous partial volume correction and noise regularization for cardiac SPECT/CT. , 2013, , .		1
142	3D molecular breast imaging using a high-resolution dedicated cardiac SPECT camera. , 2013, , .		0
143	New Approach to Quantification of Molecularly Targeted Radiotracer Uptake from Hybrid Cardiac SPECT/CT: Methodology and Validation. Journal of Nuclear Medicine, 2013, 54, 2175-2181.	2.8	8
144	Potential impact of hybrid CZT SPECT/CT imaging on estimation accuracy of left ventricular volumes and ejection fraction: A phantom study. , 2013, , .		0

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145	Segmentation of 4D Echocardiography Using Stochastic Online Dictionary Learning. Lecture Notes in Computer Science, 2013, 16, 57-65.	1.0	3
146	Myocardial blood flow from dynamic PET using Independent Component Analysis. , 2012, , .		1
147	Endothelial-derived neuregulin is an important mediator of ischaemia-induced angiogenesis and arteriogenesis. Cardiovascular Research, 2012, 93, 516-524.	1.8	54
148	Segmentation of left ventricles from echocardiographic sequences via sparse appearance representation. , 2012, , .		4
149	Targeted molecular imaging of angiogenesis in PET and SPECT: a review. Yale Journal of Biology and Medicine, 2012, 85, 75-86.	0.2	47
150	Respiratory gating for a stationary dedicated cardiac SPECT system. , 2011, , .		0
151	Development and Application of a Multimodal Contrast Agent for SPECT/CT Hybrid Imaging. Bioconjugate Chemistry, 2011, 22, 1784-1792.	1.8	53
152	The Future of Molecular Imaging. JACC: Cardiovascular Imaging, 2011, 4, 799-806.	2.3	25
153	A non-rigid registration method for serial lower extremity hybrid SPECT/CT imaging. Medical Image Analysis, 2011, 15, 96-111.	7.0	18
154	Targeted Imaging of the Spatial and Temporal Variation of Matrix Metalloproteinase Activity in a Porcine Model of Postinfarct Remodeling. Circulation: Cardiovascular Imaging, 2011, 4, 381-391.	1.3	92
155	Advances in radionuclide molecular imaging in myocardial biology. Journal of Nuclear Cardiology, 2010, 17, 116-134.	1.4	21
156	Multimodality Cardiovascular Molecular Imaging: An Overview. Journal of Nuclear Medicine, 2010, 51, 1S-2S.	2.8	7
157	Approaches to Multimodality Imaging of Angiogenesis. Journal of Nuclear Medicine, 2010, 51, 66S-79S.	2.8	42
158	PET and SPECT in cardiovascular molecular imaging. Nature Reviews Cardiology, 2010, 7, 38-47.	6.1	145
159	Multimodality Imaging of Myocardial Injury and Remodeling. Journal of Nuclear Medicine, 2010, 51, 107S-121S.	2.8	57
160	Molecular Imaging of Matrix Metalloproteinase Activation to Predict Murine Aneurysm Expansion In Vivo. Journal of Nuclear Medicine, 2010, 51, 1107-1115.	2.8	43
161	Analysis of angiogenesis induced by local IGF-1 expression after myocardial infarction using microSPECT-CT imaging. Journal of Molecular and Cellular Cardiology, 2010, 48, 1071-1079.	0.9	62
162	Molecular Imaging Approaches for Evaluation of Myocardial Pathophysiology. , 2010, , 691-712.		2

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163	Role of Intact Biological Models for Evaluation of Radiotracers. , 2010, , 27-49.		0
164	Multimodality Cardiovascular Molecular Imaging, Part II. Circulation: Cardiovascular Imaging, 2009, 2, 56-70.	1.3	130
165	Serial Noninvasive Targeted Imaging of Peripheral Angiogenesis: Validation and Application of a Semiautomated Quantitative Approach. Journal of Nuclear Medicine, 2009, 50, 1356-1363.	2.8	36
166	A non-parametric vessel detection method for complex vascular structures. Medical Image Analysis, 2009, 13, 49-61.	7.0	58
167	Effects of Adenosine and a Selective A2A Adenosine Receptor Agonist on Hemodynamic and Thallium-201 and Technetium-99mâ€"SestaMIBI Biodistribution and Kinetics. JACC: Cardiovascular Imaging, 2009, 2, 1198-1208.	2.3	16
168	New Molecular Imaging Targets to Characterize Myocardial Biology. Cardiology Clinics, 2009, 27, 329-344.	0.9	10
169	Targeted Imaging Offers Advantages Over Physiological Imaging for Evaluation of Angiogenic Therapy. JACC: Cardiovascular Imaging, 2008, 1, 511-514.	2.3	5
170	Integrated segmentation and motion analysis of cardiac MR images using a subject-specific dynamical model. , 2008, , .		3
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