

Masayuki Sasaki

List of Publications by Year in descending order

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77
papers

1,856
citations

394421

19
h-index

276875

41
g-index

79
all docs

79
docs citations

79
times ranked

1787
citing authors

#	ARTICLE	IF	CITATIONS
1	13N-ammonia positron emission tomography-derived endocardial strain for the assessment of ischemia using feature-tracking in high-resolution cine imaging. <i>Journal of Nuclear Cardiology</i> , 2022, 29, 2103-2114.	2.1	9
2	13N-ammonia positron emission tomography-derived left-ventricular strain in patients after heart transplantation validated using cardiovascular magnetic resonance feature tracking as reference. <i>Annals of Nuclear Medicine</i> , 2022, 36, 70-81.	2.2	4
3	Usefulness of semi-quantitative analysis in 123I metaiodobenzylguanidine SPECT/CT for the differentiation of pheochromocytoma and cortical adenoma. <i>Annals of Nuclear Medicine</i> , 2022, 36, 95-102.	2.2	2
4	13N-ammonia PET-derived right ventricular longitudinal strain and myocardial flow reserve in right coronary artery disease. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 1870-1880.	6.4	3
5	Evaluation of a Monte Carlo-based algorithm for the influence of totally implantable venous access ports in external radiation therapy. <i>Japanese Journal of Radiology</i> , 2021, 39, 387-394.	2.4	0
6	123I metaiodobenzylguanidine (MIBG) uptake predicts early relapse of neuroblastoma using semi-quantitative SPECT/CT analysis. <i>Annals of Nuclear Medicine</i> , 2021, 35, 549-556.	2.2	2
7	Influences of radionuclides on left ventricular phase analysis of gated myocardial perfusion single-photon emission computed tomography images in ischemic heart disease. <i>Annals of Nuclear Medicine</i> , 2021, 35, 735-743.	2.2	0
8	Improved Accuracy of Amyloid PET Quantification with Adaptive Template-Based Anatomic Standardization. <i>Journal of Nuclear Medicine Technology</i> , 2021, 49, 256-261.	0.8	0
9	Monte Carlo simulation of the acquisition conditions for 177Lu molecular imaging of hepatic tumors. <i>Annals of Nuclear Medicine</i> , 2021, 35, 823-833.	2.2	0
10	Estimation of the lower limits for feasible Ra-223 SPECT imaging: a Monte Carlo simulation study. <i>Asia Oceania Journal of Nuclear Medicine and Biology</i> , 2021, 9, 131-139.	0.1	0
11	Evaluating the effectiveness of a single CT method for attenuation correction in stress-rest myocardial perfusion imaging with thallium-201 chloride SPECT. <i>Radiological Physics and Technology</i> , 2020, 13, 20-26.	1.9	4
12	Accuracy of metabolic volume and total glycolysis among six threshold-based target segmentation algorithms. <i>Annals of Nuclear Medicine</i> , 2020, 34, 583-594.	2.2	1
13	Feasibility study of a PET-only amyloid quantification method: a comparison with visual interpretation. <i>Annals of Nuclear Medicine</i> , 2020, 34, 629-635.	2.2	3
14	Evaluating and comparing the image quality and quantification accuracy of SiPM-PET/CT and PMT-PET/CT. <i>Annals of Nuclear Medicine</i> , 2020, 34, 725-735.	2.2	8
15	Development and evaluation of an automated quantification tool for amyloid PET images. <i>EJNMMI Physics</i> , 2020, 7, 59.	2.7	5
16	The Influence of Minimal Misalignment on the Repeatability of PET Images Examined by the Repositioning of Point Sources. <i>Journal of Nuclear Medicine Technology</i> , 2019, 47, 55-59.	0.8	0
17	Differences in edge artifacts between 68Ga- and 18F-PET images reconstructed using point spread function correction. <i>Nuclear Medicine Communications</i> , 2019, 40, 1166-1173.	1.1	0
18	Time-of-Flight Information Improved the Detectability of Subcentimeter Spheres Using a Clinical PET/CT Scanner. <i>Journal of Nuclear Medicine Technology</i> , 2018, 46, 268-273.	0.8	19

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19	Influence of region-of-interest determination on measurement of signal-to-noise ratio in liver on PET images. <i>Annals of Nuclear Medicine</i> , 2018, 32, 1-6.	2.2	7
20	Validation of scatter limitation correction to eliminate scatter correction error in oxygen-15 gas-inhalation positron emission tomography images. <i>Nuclear Medicine Communications</i> , 2018, 39, 936-944.	1.1	0
21	Multicentre analysis of PET SUV using vendor-neutral software: the Japanese Harmonization Technology (J-Hart) study. <i>EJNMMI Research</i> , 2018, 8, 83.	2.5	18
22	Assessment of collimators in radium-223 imaging with channelized Hotelling observer: a simulation study. <i>Annals of Nuclear Medicine</i> , 2018, 32, 649-657.	2.2	6
23	Characteristics of Smoothing Filters to Achieve the Guideline Recommended Positron Emission Tomography Image without Harmonization. <i>Asia Oceania Journal of Nuclear Medicine and Biology</i> , 2018, 6, 15-23.	0.1	8
24	Comparison of TOF-PET and Bremsstrahlung SPECT Images of Yttrium-90: A Monte Carlo Simulation Study. <i>Asia Oceania Journal of Nuclear Medicine and Biology</i> , 2018, 6, 24-31.	0.1	5
25	Evaluation of the Reconstruction Parameters of Brain Dopamine Transporter SPECT images Obtained by a Fan Beam Collimator: A Comparison with Parallel-hole Collimators. <i>Asia Oceania Journal of Nuclear Medicine and Biology</i> , 2018, 6, 120-128.	0.1	1
26	Evaluation of the distribution of activation inside a compact medical cyclotron. <i>Applied Radiation and Isotopes</i> , 2017, 124, 27-31.	1.5	3
27	Impact of pixel-based machine-learning techniques on automated frameworks for delineation of gross tumor volume regions for stereotactic body radiation therapy. <i>Physica Medica</i> , 2017, 42, 141-149.	0.7	21
28	Three-dimensional fractal analysis of 99mTc-MAA SPECT images in chronic thromboembolic pulmonary hypertension for evaluation of response to balloon pulmonary angioplasty. <i>Nuclear Medicine Communications</i> , 2017, 38, 480-486.	1.1	13
29	Computer-assisted framework for machine-learning-based delineation of GTV regions on datasets of planning CT and PET/CT images. <i>Journal of Radiation Research</i> , 2017, 58, 123-134.	1.6	15
30	Effects of a novel tungsten-impregnated rubber neck shield on the quality of cerebral images acquired using 15O-labeled gas. <i>Radiological Physics and Technology</i> , 2017, 10, 422-430.	1.9	6
31	Influence of the Different Primary Cancers and Different Types of Bone Metastasis on the Lesion-based Artificial Neural Network Value Calculated by a Computer-aided Diagnostic System, BONENAVI, on Bone Scintigraphy Images. <i>Asia Oceania Journal of Nuclear Medicine and Biology</i> , 2017, 5, 49-55.	0.1	8
32	The Efficiency of Respiratory-gated F-FDG PET/CT in Lung Adenocarcinoma: Amplitude-gating Versus Phase-gating Methods. <i>Asia Oceania Journal of Nuclear Medicine and Biology</i> , 2017, 5, 30-36.	0.1	2
33	Association between volumetric analysis of lung metastases on F-18-fluoro-2-deoxy-D-glucose positron emission tomography/computed tomography and short-term progression after i-131 therapy for differentiated thyroid carcinoma. <i>Indian Journal of Nuclear Medicine</i> , 2017, 32, 167.	0.3	2
34	A Functional Scoring System Based on Salivary Gland Scintigraphy for Evaluating Salivary Gland Dysfunction Secondary to 131I therapy in Patients with Differentiated Thyroid Carcinoma. <i>Journal of Clinical and Diagnostic Research JCDR</i> , 2017, 11, TC23-TC28.	0.8	11
35	Edge Artifacts in Point Spread Function-based PET Reconstruction in Relation to Object Size and Reconstruction Parameters. <i>Asia Oceania Journal of Nuclear Medicine and Biology</i> , 2017, 5, 134-143.	0.1	8
36	Impact of patient age on the iodine/FDG flip-flop phenomenon in lung metastasis from thyroid cancer. <i>Annals of Nuclear Medicine</i> , 2016, 30, 518-524.	2.2	12

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37	A Monte Carlo study on ²²³ Ra imaging for unsealed radionuclide therapy. <i>Medical Physics</i> , 2016, 43, 2965-2974.	3.0	17
38	Analysis of the influence of ¹¹¹ In on ⁹⁰ Y-bremsstrahlung SPECT based on Monte Carlo simulation. <i>Annals of Nuclear Medicine</i> , 2016, 30, 675-681.	2.2	5
39	Relationship between the image quality and noise-equivalent count in time-of-flight positron emission tomography. <i>Annals of Nuclear Medicine</i> , 2016, 30, 68-74.	2.2	4
40	The edge artifact in the point-spread function-based PET reconstruction at different sphere-to-background ratios of radioactivity. <i>Annals of Nuclear Medicine</i> , 2016, 30, 97-103.	2.2	24
41	The influence of respiratory motion on the cumulative SUV-volume histogram and fractal analyses of intratumoral heterogeneity in PET/CT imaging. <i>Annals of Nuclear Medicine</i> , 2016, 30, 393-399.	2.2	4
42	Optimization of image reconstruction conditions with phantoms for brain FDG and amyloid PET imaging. <i>Annals of Nuclear Medicine</i> , 2016, 30, 18-28.	2.2	18
43	Evaluation of Iterative Reconstruction Method and Attenuation Correction in Brain Dopamine Transporter SPECT Using an Anthropomorphic Striatal Phantom. <i>Asia Oceania Journal of Nuclear Medicine and Biology</i> , 2016, 4, 72-80.	0.1	6
44	Monte Carlo simulation of PET and SPECT imaging of ⁹⁰ Y. <i>Medical Physics</i> , 2015, 42, 1926-1935.	3.0	17
45	An Anthropomorphic Phantom Study of Brain Dopamine Transporter SPECT Images Obtained Using Different SPECT/CT Devices and Collimators. <i>Journal of Nuclear Medicine Technology</i> , 2015, 43, 41-46.	0.8	8
46	Detectability of T1a lung cancer on digital chest radiographs: an observer-performance comparison among 2-megapixel general-purpose, 2-megapixel medical-purpose, and 3-megapixel medical-purpose liquid-crystal display (LCD) monitors. <i>Acta Radiologica</i> , 2015, 56, 943-949.	1.1	4
47	Optimization of iterative reconstruction parameters with 3-dimensional resolution recovery, scatter and attenuation correction in ¹²³ I-FP-CIT SPECT. <i>Annals of Nuclear Medicine</i> , 2015, 29, 636-642.	2.2	15
48	Influence of Statistical Fluctuation on Reproducibility and Accuracy of SUV _{max} and SUV _{peak} : A Phantom Study. <i>Journal of Nuclear Medicine Technology</i> , 2015, 43, 222-226.	0.8	63
49	Improvement in PET/CT image quality in overweight patients with PSF and TOF. <i>Annals of Nuclear Medicine</i> , 2015, 29, 71-77.	2.2	37
50	Impact of Time-of-Flight PET/CT with a Large Axial Field of View for Reducing Whole-Body Acquisition Time. <i>Journal of Nuclear Medicine Technology</i> , 2014, 42, 101-104.	0.8	15
51	Computer-assisted delineation of lung tumor regions in treatment planning CT images with PET/CT image sets based on an optimum contour selection method. <i>Journal of Radiation Research</i> , 2014, 55, 1153-1162.	1.6	9
52	Accuracy of amplitude-based respiratory gating for PET/CT in irregular respirations. <i>Annals of Nuclear Medicine</i> , 2014, 28, 770-779.	2.2	15
53	Influences of point-spread function and time-of-flight reconstructions on standardized uptake value of lymph node metastases in FDG-PET. <i>European Journal of Radiology</i> , 2014, 83, 226-230.	2.6	83
54	FDG uptake heterogeneity evaluated by fractal analysis improves the differential diagnosis of pulmonary nodules. <i>European Journal of Radiology</i> , 2014, 83, 715-719.	2.6	69

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55	Performance of Myocardial Perfusion Imaging Using Multi-focus Fan Beam Collimator with Resolution Recovery Reconstruction in a Comparison with Conventional SPECT. Asia Oceania Journal of Nuclear Medicine and Biology, 2014, 2, 111-9.	0.1	3
56	Influences of reconstruction and attenuation correction in brain SPECT images obtained by the hybrid SPECT/CT device: evaluation with a 3-dimensional brain phantom. Asia Oceania Journal of Nuclear Medicine and Biology, 2014, 2, 24-9.	0.1	4
57	Benefits of Point-Spread Function and Time of Flight for PET/CT Image Quality in Relation to the Body Mass Index and Injected Dose. Clinical Nuclear Medicine, 2013, 38, 407-412.	1.3	21
58	Improvement in PET/CT Image Quality with a Combination of Point-Spread Function and Time-of-Flight in Relation to Reconstruction Parameters. Journal of Nuclear Medicine, 2012, 53, 1716-1722.	5.0	156
59	The interpolated projection data estimation method improves the image quality of myocardial perfusion SPECT with a short acquisition time. Annals of Nuclear Medicine, 2012, 26, 123-130.	2.2	4
60	Determination of the optimal acquisition protocol of breath-hold PET/CT for the diagnosis of thoracic lesions. Nuclear Medicine Communications, 2011, 32, 1148-1154.	1.1	11
61	Detection of Residual Lymph Node Metastases in High-Risk Papillary Thyroid Cancer Patients Receiving Adjuvant I-131 Therapy. Clinical Nuclear Medicine, 2010, 35, 6-11.	1.3	14
62	Alterations of tumor suppressor genes (Rb, p16, p27 and p53) and an increased FDG uptake in lung cancer. Annals of Nuclear Medicine, 2003, 17, 189-196.	2.2	20
63	Clinical impact of whole body FDG-PET on the staging and therapeutic decision making for malignant lymphoma. Annals of Nuclear Medicine, 2002, 16, 337-345.	2.2	72
64	Comparison of MET-PET and FDG-PET for differentiation between benign lesions and malignant tumors of the lung. Annals of Nuclear Medicine, 2001, 15, 425-431.	2.2	27
65	MYOCARDIAL IMAGING WITH ¹²³ I-METAIODOBENZYL Guanidine IN ESSENTIAL HYPERTENSION AND RENOVASCULAR HYPERTENSION. Clinical and Experimental Hypertension, 2001, 23, 293-304.	1.3	5
66	Sex-related differences in the muscarinic acetylcholinergic receptor in the healthy human brain – A positron emission tomography study. Annals of Nuclear Medicine, 2000, 14, 97-101.	2.2	30
67	Biodistribution and breast tumor uptake of ¹⁶ α-[¹⁸ F]-fluoro-17β ² -estradiol in rat. Annals of Nuclear Medicine, 2000, 14, 127-130.	2.2	18
68	A comparative study of thallium-201 SPET, carbon-11 methionine PET and fluorine-18 fluorodeoxyglucose PET for the differentiation of astrocytic tumours. European Journal of Nuclear Medicine and Molecular Imaging, 1998, 25, 1261-1269.	6.4	120
69	Differentiating between multiple system atrophy and Parkinson's disease by positron emission tomography with ¹⁸ F-dopa and ¹⁸ F-FDG. Annals of Nuclear Medicine, 1997, 11, 251-257.	2.2	61
70	The usefulness of FDG positron emission tomography for the detection of mediastinal lymph node metastases in patients with non-small cell lung cancer: a comparative study with X-ray computed tomography. European Journal of Nuclear Medicine and Molecular Imaging, 1996, 23, 741-747.	2.1	134
71	Cerebellar vascular response to acetazolamide in crossed cerebellar diaschisis: a comparison of ^{99m} Tc-HMPAO single-photon emission tomography with ¹⁵ O-H ₂ O positron emission tomography. European Journal of Nuclear Medicine and Molecular Imaging, 1996, 23, 683-689.	2.1	12
72	Cerebral blood flow and vascular response to hypercapnia in hypertensive patients with leukoariosis. Annals of Nuclear Medicine, 1996, 10, 293-298.	2.2	38

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73	FDG-PET in infectious lesions: The detection and assessment of lesion activity. <i>Annals of Nuclear Medicine</i> , 1996, 10, 185-191.	2.2	183
74	A clinical evaluation of FDG-PET to assess the response in radiation therapy for bronchogenic carcinoma. <i>Annals of Nuclear Medicine</i> , 1996, 10, 193-200.	2.2	75
75	Time Dependency of the Acetazolamide Effect on Cerebral Hemodynamics in Patients With Chronic Occlusive Cerebral Arteries. <i>Stroke</i> , 1995, 26, 1825-1829.	2.0	50
76	K-ras activation in colorectal tumors from patients with familial polyposis coli. <i>Cancer</i> , 1990, 65, 2576-2579.	4.1	24
77	Loss of constitutional heterozygosity in colon carcinoma from patients with familial polyposis coli. <i>Nature</i> , 1988, 331, 273-277.	27.8	152