

Masayuki Sasaki

List of Publications by Year in descending order

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77
papers

1,856
citations

394421

19
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276875

41
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79
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79
docs citations

79
times ranked

1787
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Improvement in PET/CT Image Quality with a Combination of Point-Spread Function and Time-of-Flight in Relation to Reconstruction Parameters. <i>Journal of Nuclear Medicine</i> , 2012, 53, 1716-1722.	5.0	156
3	Loss of constitutional heterozygosity in colon carcinoma from patients with familial polyposis coli. <i>Nature</i> , 1988, 331, 273-277.	27.8	152
4	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. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1996, 23, 741-747.	2.1	134
5	A comparative study of thallium-201 SPET, carbon-11 methionine PET and fluorine-18 fluorodeoxyglucose PET for the differentiation of astrocytic tumours. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1998, 25, 1261-1269.	6.4	120
6	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
7	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
8	Clinical impact of whole body FDG-PET on the staging and therapeutic decision making for malignant lymphoma. <i>Annals of Nuclear Medicine</i> , 2002, 16, 337-345.	2.2	72
9	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
10	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
11	Differentiating between multiple system atrophy and Parkinson's disease by positron emission tomography with 18F-dopa and 18F-FDG. <i>Annals of Nuclear Medicine</i> , 1997, 11, 251-257.	2.2	61
12	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
13	Cerebral blood flow and vascular response to hypercapnia in hypertensive patients with leukoaraiosis. <i>Annals of Nuclear Medicine</i> , 1996, 10, 293-298.	2.2	38
14	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
15	Sex-related differences in the muscarinic acetylcholinergic receptor in the healthy human brain – A positron emission tomography study. <i>Annals of Nuclear Medicine</i> , 2000, 14, 97-101.	2.2	30
16	Comparison of MET-PET and FDG-PET for differentiation between benign lesions and malignant tumors of the lung. <i>Annals of Nuclear Medicine</i> , 2001, 15, 425-431.	2.2	27
17	K-ras activation in colorectal tumors from patients with familial polyposis coli. <i>Cancer</i> , 1990, 65, 2576-2579.	4.1	24
18	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

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19	Benefits of Point-Spread Function and Time of Flight for PET/CT Image Quality in Relation to the Body Mass Index and Injected Dose. <i>Clinical Nuclear Medicine</i> , 2013, 38, 407-412.	1.3	21
20	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
21	Alterations of tumor suppressor genes (Rb, p16, p27 and p53) and an increased FDG uptake in lung cancer. <i>Annals of Nuclear Medicine</i> , 2003, 17, 189-196.	2.2	20
22	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
23	Biodistribution and breast tumor uptake of ^{16}O - ^{18}F -fluoro- ^{17}O -estradiol in rat. <i>Annals of Nuclear Medicine</i> , 2000, 14, 127-130.	2.2	18
24	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
25	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
26	Monte Carlo simulation of PET and SPECT imaging of ^{90}Y . <i>Medical Physics</i> , 2015, 42, 1926-1935.	3.0	17
27	A Monte Carlo study on ^{223}Ra imaging for unsealed radionuclide therapy. <i>Medical Physics</i> , 2016, 43, 2965-2974.	3.0	17
28	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
29	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
30	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
31	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
32	Detection of Residual Lymph Node Metastases in High-Risk Papillary Thyroid Cancer Patients Receiving Adjuvant ^{131}I Therapy. <i>Clinical Nuclear Medicine</i> , 2010, 35, 6-11.	1.3	14
33	Three-dimensional fractal analysis of $^{99\text{m}}\text{Tc}$ -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
34	Cerebellar vascular response to acetazolamide in crossed cerebellar diaschisis: a comparison of $^{99\text{m}}\text{Tc}$ -HMPAO single-photon emission tomography with $^{15\text{O}}$ - H_2O positron emission tomography. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1996, 23, 683-689.	2.1	12
35	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
36	Determination of the optimal acquisition protocol of breath-hold PET/CT for the diagnosis of thoracic lesions. <i>Nuclear Medicine Communications</i> , 2011, 32, 1148-1154.	1.1	11

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37	A Functional Scoring System Based on Salivary Gland Scintigraphy for Evaluating Salivary Gland Dysfunction Secondary to ¹³¹ I therapy in Patients with Differentiated Thyroid Carcinoma. <i>Journal of Clinical and Diagnostic Research JCDR</i> , 2017, 11, TC23-TC28.	0.8	11
38	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
39	¹³ N-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
40	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
41	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
42	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
43	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
44	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
45	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
46	Effects of a novel tungsten-impregnated rubber neck shield on the quality of cerebral images acquired using ¹⁵⁰ Ga-labeled gas. <i>Radiological Physics and Technology</i> , 2017, 10, 422-430.	1.9	6
47	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
48	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
49	MYOCARDIAL IMAGING WITH ¹²³ I-METAiodobenzylguanidine IN ESSENTIAL HYPERTENSION AND RENOVASCULAR HYPERTENSION. <i>Clinical and Experimental Hypertension</i> , 2001, 23, 293-304.	1.3	5
50	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
51	Development and evaluation of an automated quantification tool for amyloid PET images. <i>EJNMMI Physics</i> , 2020, 7, 59.	2.7	5
52	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
53	The interpolated projection data estimation method improves the image quality of myocardial perfusion SPECT with a short acquisition time. <i>Annals of Nuclear Medicine</i> , 2012, 26, 123-130.	2.2	4
54	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

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55	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
56	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
57	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
58	¹³ N-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
59	Influences of reconstruction and attenuation correction in brain SPECT images obtained by the hybrid SPECT/CT device: evaluation with a 3-dimensional brain phantom. <i>Asia Oceania Journal of Nuclear Medicine and Biology</i> , 2014, 2, 24-9.	0.1	4
60	Evaluation of the distribution of activation inside a compact medical cyclotron. <i>Applied Radiation and Isotopes</i> , 2017, 124, 27-31.	1.5	3
61	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
62	Performance of Myocardial Perfusion Imaging Using Multi-focus Fan Beam Collimator with Resolution Recovery Reconstruction in a Comparison with Conventional SPECT. <i>Asia Oceania Journal of Nuclear Medicine and Biology</i> , 2014, 2, 111-9.	0.1	3
63	¹³ N-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
64	¹²³ I 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
65	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
66	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
67	Usefulness of semi-quantitative analysis in ¹²³ I metaiodobenzylguanidine SPECT/CT for the differentiation of pheochromocytoma and cortical adenoma. <i>Annals of Nuclear Medicine</i> , 2022, 36, 95-102.	2.2	2
68	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
69	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
70	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
71	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
72	Differences in edge artifacts between ⁶⁸ Ga- and ¹⁸ F-PET images reconstructed using point spread function correction. <i>Nuclear Medicine Communications</i> , 2019, 40, 1166-1173.	1.1	0

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73	Evaluation of a Monte Carlo-based algorithm for the influence of totally implantable venous access ports in external radiation therapy. Japanese Journal of Radiology, 2021, 39, 387-394.	2.4	0
74	Influences of radionuclides on left ventricular phase analysis of gated myocardial perfusion single-photon emission computed tomography images in ischemic heart disease. Annals of Nuclear Medicine, 2021, 35, 735-743.	2.2	0
75	Improved Accuracy of Amyloid PET Quantification with Adaptive Template-Based Anatomic Standardization. Journal of Nuclear Medicine Technology, 2021, 49, 256-261.	0.8	0
76	Monte Carlo simulation of the acquisition conditions for ¹⁷⁷ Lu molecular imaging of hepatic tumors. Annals of Nuclear Medicine, 2021, 35, 823-833.	2.2	0
77	Estimation of the lower limits for feasible Ra-223 SPECT imaging: a Monte Carlo simulation study. Asia Oceania Journal of Nuclear Medicine and Biology, 2021, 9, 131-139.	0.1	0