Shinro Matsuo

List of Publications by Year in descending order

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91 papers	1,683 citations	279798 23 h-index	330143 37 g-index
94 all docs	94 docs citations	94 times ranked	1165 citing authors

#	Article	IF	Citations
1	Normal values and standardization of parameters in nuclear cardiology: Japanese Society of Nuclear Medicine working group database. Annals of Nuclear Medicine, 2016, 30, 188-199.	2.2	99
2	Semi-automated algorithm for calculating heart-to-mediastinum ratio in cardiac Iodine-123 MIBG imaging. Journal of Nuclear Cardiology, 2011, 18, 82-89.	2.1	88
3	Standardization of metaiodobenzylguanidine heart to mediastinum ratio using a calibration phantom: effects of correction on normal databases and a multicentre study. European Journal of Nuclear Medicine and Molecular Imaging, 2012, 39, 113-119.	6.4	87
4	Comparison of phase dyssynchrony analysis using gated myocardial perfusion imaging with four software programs: Based on the Japanese Society of Nuclear Medicine working group normal database. Journal of Nuclear Cardiology, 2017, 24, 611-621.	2.1	63
5	A novel clinical indicator using Tc-99m sestamibi for evaluating cardiac mitochondrial function in patients with cardiomyopathies. Journal of Nuclear Cardiology, 2007, 14, 215-220.	2.1	61
6	The importance of population-specific normal database for quantification of myocardial ischemia: comparison between Japanese 360 and 180-degree databases and a US database. Journal of Nuclear Cardiology, 2009, 16, 422-430.	2.1	57
7	Diagnostic accuracy of an artificial neural network compared with statistical quantitation of myocardial perfusion images: a Japanese multicenter study. European Journal of Nuclear Medicine and Molecular Imaging, 2017, 44, 2280-2289.	6.4	57
8	A prediction model for 5-year cardiac mortality in patients with chronic heart failure using 123I-metaiodobenzylguanidine imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2014, 41, 1673-1682.	6.4	51
9	Prognostic Value of Normal Stress Myocardial Perfusion Imaging in Japanese Population A Study Based on the J-ACCESS Study. Circulation Journal, 2007, 72, 611-617.	1.6	50
10	Improved quantification of small hearts for gated myocardial perfusion imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2013, 40, 1163-1170.	6.4	50
11	Prognostic Value of Myocardial Perfusion Single-Photon Emission Computed Tomography for the Prediction of Future Cardiac Events in a Japanese Population A Middle-Term Follow-up Study. Circulation Journal, 2007, 71, 1580-1585.	1.6	49
12	Creation of mortality risk charts using¹²³I meta-iodobenzylguanidine heart-to-mediastinum ratio in patients with heart failure: 2- and 5-year risk models. European Heart Journal Cardiovascular Imaging, 2016, 17, 1138-1145.	1.2	41
13	Diagnostic utility of 123I-BMIPP imaging in patients with Takotsubo cardiomyopathy. Journal of Cardiology, 2014, 64, 49-56.	1.9	36
14	Myocardial Metabolic Abnormalities in Hypertrophic Cardiomyopathy Assessed by Iodine-123-Labeled Beta-Methyl-Branched Fatty Acid Myocardial Scintigraphy and its Relation to Exercise-Induced Ischemia. Japanese Circulation Journal, 1998, 62, 167-172.	1.0	32
15	Characterization of Japanese standards for myocardial sympathetic and metabolic imaging in comparison with perfusion imaging. Annals of Nuclear Medicine, 2009, 23, 517-522.	2.2	32
16	Standardization of the heart-to-mediastinum ratio of 123I-labelled-metaiodobenzylguanidine uptake using the dual energy window method: feasibility of correction with different cameraâ€“collimator combinations. European Journal of Nuclear Medicine and Molecular Imaging, 2009, 36, 560-566.	6.4	31
17	Impairments of myocardial sympathetic activity may reflect the progression of myocardial damage or dysfunction in hypertrophic cardiomyopathy. Journal of Nuclear Cardiology, 2002, 9, 407-412.	2.1	30
18	The Relationship Between Flow-Mediated Brachial Artery Vasodilation and Coronary Vasomotor Responses to Bradykinin: Comparison with Those to Acetylcholine. Journal of Cardiovascular Pharmacology, 2004, 44, 164-170.	1.9	30

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19	Nuclear myocardial perfusion imaging using thallium-201 with a novel multifocal collimator SPECT/CT: IQ-SPECT versus conventional protocols in normal subjects. Annals of Nuclear Medicine, 2015, 29, 452-459.	2.2	30
20	Comparison of diagnostic performance of four software packages for phase dyssynchrony analysis in gated myocardial perfusion SPECT. EJNMMI Research, 2017, 7, 27.	2.5	30
21	Prognostic Value of Normal Stress Myocardial Perfusion Imaging and Ventricular Function in Japanese Asymptomatic Patients With Type 2 Diabetes - A Study Based on the J-ACCESS-2 Database -. Circulation Journal, 2010, 74, 1916-1921.	1.6	28
22	Optimization of iterative reconstruction parameters with attenuation correction, scatter correction and resolution recovery in myocardial perfusion SPECT/CT. Annals of Nuclear Medicine, 2014, 28, 60-68.	2.2	25
23	Prognostic value of ECG-gated thallium-201 single-photon emission tomography in patients with coronary artery disease. Annals of Nuclear Medicine, 2004, 18, 617-622.	2.2	24
24	Artificial neural network retrained to detect myocardial ischemia using a Japanese multicenter database. Annals of Nuclear Medicine, 2018, 32, 303-310.	2.2	24
25	Estimation of Cardiac Event Risk by Gated Myocardial Perfusion Imaging and Quantitative Scoring Methods Based on a Multi-Center J-ACCESS Database. Circulation Journal, 2011, 75, 2417-2423.	1.6	22
26	Validation of 2-year 123I-meta-iodobenzylguanidine-based cardiac mortality risk model in chronic heart failure. European Heart Journal Cardiovascular Imaging, 2018, 19, 749-756.	1.2	22
27	Detection of denervated but viable myocardium in cardiac sarcoidosis with I-123 MIBG and Tl-201 SPECT imaging. Annals of Nuclear Medicine, 2001, 15, 373-375.	2.2	21
28	Cardiac Sympathetic Dysfunction in an Athlete's Heart Detected by 123I-Metaiodobenzylguanidine Scintigraphy.. Japanese Circulation Journal, 2001, 65, 371-374.	1.0	20
29	Cause of apical thinning on attenuation-corrected myocardial perfusion SPECT. Nuclear Medicine Communications, 2011, 32, 1033-1039.	1.1	20
30	IQÂ·SPECT technology and its clinical applications using multicenter normal databases. Annals of Nuclear Medicine, 2017, 31, 649-659.	2.2	20
31	Visual assessment of coronary artery stenosis with electrocardiographically-gated multislice computed tomography. International Journal of Cardiovascular Imaging, 2004, 20, 61-66.	1.5	19
32	Regional wall thickening in gated myocardial perfusion SPECT in a Japanese population: effect of sex, radiotracer, rotation angles and frame rates. European Journal of Nuclear Medicine and Molecular Imaging, 2008, 35, 1608-1615.	6.4	17
33	Is 123I-metaiodobenzylguanidine heart-to-mediastinum ratio dependent on age? From Japanese Society of Nuclear Medicine normal database. Annals of Nuclear Medicine, 2018, 32, 175-181.	2.2	17
34	Creation and characterization of normal myocardial perfusion imaging databases using the IQÂ·SPECT system. Journal of Nuclear Cardiology, 2018, 25, 1328-1337.	2.1	17
35	The time has come to standardize 123I-MIBG heart-to-mediastinum ratios including planar and SPECT methods. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 386-388.	6.4	16
36	Accuracy of an artificial neural network for detecting a regional abnormality in myocardial perfusion SPECT. Annals of Nuclear Medicine, 2019, 33, 86-92.	2.2	16

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37	Clinical significance of diastolic function as an indicator of myocardial ischemia assessed by 16-frame gated myocardial perfusion SPECT. Annals of Nuclear Medicine, 2008, 22, 677-683.	2.2	15
38	Attenuation correction of myocardial SPECT by scatter-photopeak window method in normal subjects. Annals of Nuclear Medicine, 2009, 23, 501-506.	2.2	15
39	Assessment of Cardiac Sympathetic Nerve Function Using ¹²³I-meta-Iodobenzylguanidine Scintigraphy. Annals of Nuclear Cardiology, 2015, 1, 27-34.	0.2	15
40	The validity of multi-center common normal database for identifying myocardial ischemia: Japanese Society of Nuclear Medicine working group database. Annals of Nuclear Medicine, 2010, 24, 99-105.	2.2	14
41	Development and validation of a direct-comparison method for cardiac 123I-metaiodobenzylguanidine washout rates derived from late 3-hour and 4-hour imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 319-325.	6.4	14
42	Reducing the small-heart effect in pediatric gated myocardial perfusion single-photon emission computed tomography. Journal of Nuclear Cardiology, 2017, 24, 1378-1388.	2.1	14
43	Detection of coronary microvascular disease by means of cardiac scintigraphy. Canadian Journal of Cardiology, 2002, 18, 183-6.	1.7	14
44	Quantification of myocardial perfusion SPECT using freeware package (cardioBull). Annals of Nuclear Medicine, 2011, 25, 571-579.	2.2	13
45	Clinical use of nuclear cardiology in the assessment of heart failure. World Journal of Cardiology, 2010, 2, 344.	1.5	13
46	Impact of endothelial dysfunction on left ventricular remodeling after successful primary coronary angioplasty for acute myocardial infarction â€"Analysis by quantitative ECG-gated SPECTâ€". Annals of Nuclear Medicine, 2006, 20, 57-62.	2.2	12
47	The relationship between stress-induced myocardial ischemia and coronary artery atherosclerosis measured by hybrid SPECT/CT camera. Annals of Nuclear Medicine, 2011, 25, 650-656.	2.2	12
48	Evaluation of cardiac resynchronization therapy in drug-resistant dilated-phase hypertrophic cardiomyopathy by means of Tc-99m sestamibi ECG-gated SPECT. Annals of Nuclear Medicine, 2006, 20, 643-647.	2.2	11
49	Prognostic Value of Cardiac Sympathetic Nerve Imaging Using Long-Term Follow-up Dataã€€â€“ Ischemic vs. Non-Ischemic Heart Failure Etiology â€“. Circulation Journal, 2016, 80, 435-441.	1.6	11
50	Technical Aspects. Annals of Nuclear Cardiology, 2016, 2, 68-72.	0.2	10
51	Ability of artificial intelligence to diagnose coronary artery stenosis using hybrid images of coronary computed tomography angiography and myocardial perfusion SPECT. European Journal of Hybrid Imaging, 2019, 3, 4.	1.5	10
52	Clinical usefulness of novel cardiac MDCT/SPECT fusion image. Annals of Nuclear Medicine, 2009, 23, 579-586.	2.2	9
53	Phase Analysis Using Gated Myocardial Perfusion Single-Photon Emission Computed Tomography Imaging for Evaluating Cardiac Dyssynchrony. Circulation Journal, 2012, 76, 1832-1833.	1.6	9
54	Characteristics of iodine-123 IQ-SPECT/CT imaging compared with conventional SPECT/CT. Annals of Nuclear Medicine, 2019, 33, 103-111.	2.2	9

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55	Making the invisible visible: Phase dyssynchrony has potential as a new prognostic marker. Journal of Nuclear Cardiology, 2019, 26, 298-302.	2.1	9
56	Noninvasive identification of myocardial sympathetic and metabolic abnormalities in a patient with restrictive cardiomyopathy â€"In comparison with perfusion imagingâ€". Annals of Nuclear Medicine, 2002, 16, 569-572.	2.2	8
57	Validation of Left Ventricular Ejection Fraction with the IQâ€¢SPECT System in Small-Heart Patients. Journal of Nuclear Medicine Technology, 2017, 45, 201-207.	0.8	8
58	Ability of the prognostic model of J-ACCESS study to predict cardiac events in a clinical setting: The APPROACH study. Journal of Cardiology, 2018, 72, 81-86.	1.9	7
59	Cardiac scintigraphic findings of mitochondrial myopathy, encephalopathy, lactic acidosis and stroke-like episodes: A case report. Experimental and Clinical Cardiology, 2008, 13, 93-5.	1.3	7
60	Dilated cardiomyopathy relieved as a result of Î²-blocker therapy: A case reportâ€"key points in assessment of prognosis based on MIBG myocardial scintigraphy and BNP levels. Annals of Nuclear Medicine, 2005, 19, 243-246.	2.2	6
61	Significant correlation between renal 123I-metaiodobenzylguanidine scintigraphy and muscle sympathetic nerve activity in patients with primary hypertension. Journal of Nuclear Cardiology, 2017, 24, 363-371.	2.1	6
62	Characteristics of single- and dual-photopeak energy window acquisitions with thallium-201 IQ-SPECT/CT system. Annals of Nuclear Medicine, 2017, 31, 529-535.	2.2	6
63	Anomaly of the left atrium in patients with atrial fibrillation detected by ECG-gated multi-slice computed tomography. International Journal of Cardiovascular Imaging, 2005, 21, 455-458.	1.5	5
64	Churgâ€"Strauss syndrome presenting with massive pericardial effusion. Heart and Vessels, 2007, 22, 128-130.	1.2	5
65	IQ-SPECT for thallium-201 myocardial perfusion imaging: effect of normal databases on quantification. Annals of Nuclear Medicine, 2017, 31, 454-461.	2.2	5
66	Prognostic value of iodine-123 metaiodobenzylguanidine imaging in patients with heart failure. Experimental and Clinical Cardiology, 2003, 8, 95-8.	1.3	5
67	Scintigraphic Evaluation of Cardiac Metabolism in Multicentric Castleman's Disease. Internal Medicine, 2004, 43, 490-492.	0.7	4
68	Primary malignant lymphoma of the right atrium resulting in superior vena caval syndrome in an HIV-positive patient: depiction at multislice computed tomography and magnetic resonance imaging. Cardiovascular Revascularization Medicine, 2006, 7, 255-257.	0.8	4
69	A giant main pulmonary artery aneurysm associated with infundibular pulmonary stenosis. Cardiovascular Revascularization Medicine, 2008, 9, 188-189.	0.8	4
70	Impact of iterative reconstruction with resolution recovery in myocardial perfusion SPECT: phantom and clinical studies. Scientific Reports, 2019, 9, 19618.	3.3	4
71	Poststress left ventricular function in patients with coronary artery disease measured by Tl-201 ECG-gated SPECT. Experimental and Clinical Cardiology, 2002, 7, 30-4.	1.3	4
72	Cardioverter defibrillator implantation in a patient with double chambered right ventricle. International Journal of Cardiovascular Imaging, 2007, 23, 459-462.	1.5	3

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73	Prognostic value of normal stress myocardial perfusion imaging and ventricular function in Japanese patients with chronic kidney disease: a study based on the J-ACCESS-3 database. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 1101-1107.	6.4	3
74	Predictive value of electrocardiography-gated myocardial perfusion imaging to new-onset heart failure in patients with chronic kidney disease: findings from the J-ACCESS 3 study. International Journal of Cardiovascular Imaging, 2020, 36, 749-755.	1.5	3
75	Evaluation of Cardiac Mitochondrial Function by a Nuclear Imaging Technique using Technetium-99m-MIBI Uptake Kinetics. Asia Oceania Journal of Nuclear Medicine and Biology, 2013, 1, 39-43.	0.1	3
76	Scintigraphic Evaluation of Cardiac Metabolism and Sympathetic Nerve Function in Alcoholic Cardiomyopathy. Internal Medicine, 2006, 45, 465-467.	0.7	2
77	Assessment of diastolic function using 16-frame 201Tl-gated myocardial perfusion SPECT. Annals of Nuclear Medicine, 2010, 24, 625-625.	2.2	2
78	Editorial: Regadenoson: An adenosine A2A receptor agonist for pharmacological myocardial perfusion imaging. Journal of Cardiology Cases, 2014, 10, 46-47.	0.5	2
79	Cardiac Time-of-flight PET for Evaluating Myocardial Perfusion with ¹³N-ammonia. Annals of Nuclear Cardiology, 2016, 2, 73-78.	0.2	2
80	Quantitative Assessment of Regional Myocardial Blood Flow with Clinical SPECT. Annals of Nuclear Cardiology, 2016, 2, 111-121.	0.2	2
81	The role of impaired sympathetic nerve function in enhancing coronary vasoconstriction in patients with hypertrophic cardiomyopathy. Experimental and Clinical Cardiology, 2007, 12, 37-41.	1.3	2
82	Technical Aspects. Annals of Nuclear Cardiology, 2016, 2, 68-72.	0.2	2
83	Depiction of a new pulmonary vein variant using multidetector-row computed tomography. Cardiovascular Revascularization Medicine, 2007, 8, 207-208.	0.8	1
84	Behavioural and Cognitive Changes in Lewy Body Dementias. Behavioural Neurology, 2018, 2018, 1-2.	2.1	1
85	Nuclear Cardiology Approach in Takotsubo Syndrome. Annals of Nuclear Cardiology, 2018, 4, 105-109.	0.2	1
86	Cardiac Time-of-flight PET for Evaluating Myocardial Perfusion with ¹³N-ammonia. Annals of Nuclear Cardiology, 2016, 2, 73-78.	0.2	1
87	Renal iodine123-metaiodobenzylguanidine scintigraphy relates to muscle sympathetic nervous activity in heart failure with reduced ejection fraction. Autonomic Neuroscience: Basic and Clinical, 2020, 226, 102671.	2.8	0
88	¹⁸F-FDG PET Viability Assessment for the Improvements of Prognosis of the Patients with Left Ventricular Dysfunction. Annals of Nuclear Cardiology, 2016, 2, 53-55.	0.2	0
89	Quantitative Assessment of Regional Myocardial Blood Flow with Clinical SPECT. Annals of Nuclear Cardiology, 2016, 2, 111-121.	0.2	0
90	¹⁸F-FDG PET Viability Assessment for the Improvements of Prognosis of the Patients with Left Ventricular Dysfunction. Annals of Nuclear Cardiology, 2016, 2, 53-55.	0.2	0

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91	Investigation of the Clinical Efficacy of 99mTc-Sestamibi Washout in Patients with Acute Myocardial Infarction and Comparison with Stress Myocardial Imaging with 99mTc -Sestamibi Using a Two-Day Protocol. Iranian Journal of Radiology, 2022, 19, .	0.2	0