Hiroshi Watabe

List of Publications by Year
in descending order

152 papers	2,853 citations	172457 29 h-index	206112 48 g-index
154 all docs	154 docs citations	154 times ranked	3061 citing authors

#	ARTICLE	IF	CITATIONS
1	PET kinetic analysis—compartmental model. Annals of Nuclear Medicine, 2006, 20, 583-588.	2.2	164
2	Cerebral decreases in opioid receptor binding in patients with central neuropathic pain measured by [^{11}C]diprenorphine binding and PET. European Journal of Pain, 2004, 8, 479-485.	2.8	135
3	Development of a Si-PM-based high-resolution PET system for small animals. Physics in Medicine and Biology, 2010, 55, 5817-5831.	3.0	118
4	Long-term observation of auto-cell transplantation in non-human primate reveals safety and efficiency of bone marrow stromal cell-derived Schwann cells in peripheral nerve regeneration. Experimental Neurology, 2010, 223, 537-547.	4.1	107
5	Measurement of Changes in Opioid Receptor Binding in Vivo During Trigeminal Neuralgic Pain Using [11C]Diprenorphine and Positron Emission Tomography. Journal of Cerebral Blood Flow and Metabolism, 1999, 19, 803-808.	4.3	99
6	Estimation of absorbed dose for 2-[F-18]fluoro-2-deoxy- d - glucose using whole-body positron emission tomography and magnetic resonance imaging. European Journal of Nuclear Medicine and Molecular Imaging, 1998, 25, 565-574.	6.4	92
7	Kinetic Analysis of the 5-HT2A Ligand [11C]MDL 100,907. Journal of Cerebral Blood Flow and Metabolism, 2000, 20, 899-909.	4.3	78
8	Rapid Quantitative Measurement of CMRO2 and CBF by Dual Administration of 15O-Labeled Oxygen and Water During a Single PET Scan—a Validation Study and Error Analysis in Anesthetized Monkeys. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, 1209-1224.	4.3	76
9	Multicenter Evaluation of a Standardized Protocol for Rest and Acetazolamide Cerebral Blood Flow Assessment Using a Quantitative SPECT Reconstruction Program and Split-Dose ^{123}I-Iodoamphetamine. Journal of Nuclear Medicine, 2010, 51, 1624-1631.	5.0	69
10	A Theoretical Model of Oxygen Delivery and Metabolism for Physiologic Interpretation of Quantitative Cerebral Blood Flow and Metabolic Rate of Oxygen. Journal of Cerebral Blood Flow and Metabolism, 2003, 23, 1314-1323.	4.3	67
11	Autologous mesenchymal stem cell—derived dopaminergic neurons function in parkinsonian macaques. Journal of Clinical Investigation, 2013, 123, 272-284.	8.2	63
12	Simultaneous imaging using Si-PM-based PET and MRI for development of an integrated PET/MRI system. Physics in Medicine and Biology, 2012, 57, N1-N13.	3.0	62
13	Interference between PET and MRI sub-systems in a silicon-photomultiplier-based PET/MRI system. Physics in Medicine and Biology, 2011, 56, 4147-4159.	3.0	61
14	Development of an ultrahigh resolution Si-PM based PET system for small animals. Physics in Medicine and Biology, 2013, 58, 7875-7888.	3.0	58
15	Intratumoral heterogeneity of F-18 FDG uptake differentiates between gastrointestinal stromal tumors and abdominal malignant lymphomas on PET/CT. Annals of Nuclear Medicine, 2012, 26, 222-227.	2.2	48
16	Quantitative mapping of basal and vasareactive cerebral blood flow using split-dose 123I-iodoamphetamine and single photon emission computed tomography. NeuroImage, 2006, 33, 1126-1135.	4.2	45
17	Absolute quantitation of myocardial blood flow with 201Tl and dynamic SPECT in canine: optimisation and validation of kinetic modelling. European Journal of Nuclear Medicine and Molecular Imaging, 2008, 35, 896-905.	6.4	45
18	Parametric imaging of myocardial blood flow with 15O-water and PET using the basis function method. Journal of Nuclear Medicine, 2005, 46, 1219-24.	5.0	45

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19	Cell-sheet Therapy With Omentopexy Promotes Arteriogenesis and Improves Coronary Circulation Physiology in Failing Heart. Molecular Therapy, 2015, 23, 374-386.	8.2	43
20	Association of Coronary Perivascular Adipose Tissue Inflammation and Drug-Eluting Stent–Induced Coronary Hyperconstricting Responses in Pigs. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 1757-1764.	2.4	43
21	Rapid Quantitative *CBF* and *CMRO*$_2$ Measurements from a Single *PET* Scan with Sequential Administration of Dual ^{15}O-Labeled Tracers. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 440-448.	4.3	41
22	PET kinetic analysis —Pitfalls and a solution for the Logan plot. Annals of Nuclear Medicine, 2007, 21, 1-8.	2.2	39
23	Evaluation of a commercial PET tomograph-based system for the quantitative assessment of rCBF, rOEF and rCMRO2 by using sequential administration of 15O-labeled compounds. Annals of Nuclear Medicine, 2002, 16, 317-327.	2.2	37
24	Development of a high-resolution Si-PM-based gamma camera system. Physics in Medicine and Biology, 2011, 56, 7555-7567.	3.0	36
25	A temperature-dependent gain control system for improving the stability of Si-PM-based PET systems. Physics in Medicine and Biology, 2011, 56, 2873-2882.	3.0	34
26	Separation of input function for rapid measurement of quantitative CMRO2 and CBF in a single PET scan with a dual tracer administration method. Physics in Medicine and Biology, 2007, 52, 1893-1908.	3.0	33
27	(R)‑and (S)‑ketamine induce differential fMRI responses in conscious rats. Synapse, 2019, 73, e22126.	1.2	33
28	Use of a compact pixellated gamma camera for small animal pinhole SPECT imaging. Annals of Nuclear Medicine, 2006, 20, 409-416.	2.2	32
29	PET kinetic analysis: wavelet denoising of dynamic PET data with application to parametric imaging. Annals of Nuclear Medicine, 2007, 21, 379-386.	2.2	31
30	Quantitative Evaluation of Cerebral Blood Flow and Oxygen Metabolism in Normal Anesthetized Rats: ^{15}O-Labeled Gas Inhalation PET with MRI Fusion. Journal of Nuclear Medicine, 2013, 54, 283-290.	5.0	31
31	Development of ultrahigh resolution Si-PM-based PET system using 0.32 mm pixel scintillators. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 836, 7-12.	1.6	31
32	Effects of patient movement on measurements of myocardial blood flow and viability in resting 15O-water PET studies. Journal of Nuclear Cardiology, 2012, 19, 524-533.	2.1	29
33	A comparison of five partial volume correction methods for Tau and Amyloid PET imaging with [18F]THK5351 and [11C]PIB. Annals of Nuclear Medicine, 2017, 31, 563-569.	2.2	29
34	Evaluation of penetration and scattering components in conventional pinhole SPECT: phantom studies using Monte Carlo simulation. Physics in Medicine and Biology, 2003, 48, 995-1008.	3.0	28
35	PET kinetic analysis: error consideration of quantitative analysis in dynamic studies. Annals of Nuclear Medicine, 2008, 22, 1-11.	2.2	28
36	Quantitative analysis of donepezil binding to acetylcholinesterase using positron emission tomography and [5-11C-methoxy]donepezil. NeuroImage, 2009, 46, 616-623.	4.2	28

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37	A new reconstruction strategy for image improvement in pinhole SPECT. European Journal of Nuclear Medicine and Molecular Imaging, 2004, 31, 1166-72.	6.4	27
38	Gd-EOB-DTPA-enhanced-MR imaging in the inflammation stage of nonalcoholic steatohepatitis (NASH) in mice. Magnetic Resonance Imaging, 2016, 34, 724-729.	1.8	25
39	Contribution of scatter and attenuation compensation to SPECT images of nonuniformly distributed brain activities. Journal of Nuclear Medicine, 2003, 44, 512-9.	5.0	25
40	Performance comparison of Si-PM-based block detectors with different pixel sizes for an ultrahigh-resolution small-animal PET system. Physics in Medicine and Biology, 2011, 56, N227-N236.	3.0	24
41	Development of a flexible optical fiber based high resolution integrated PET/MRI system. Medical Physics, 2012, 39, 6660-6671.	3.0	24
42	A Physiologic Model for Recirculation Water Correction in $CMRO_2$ Assessment with $^{15}O_2$ Inhalation PET. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 355-364.	4.3	23
43	Imaging of Carbon Translocation to Fruit Using Carbon-11-Labeled Carbon Dioxide and Positron Emission Tomography. IEEE Transactions on Nuclear Science, 2011, 58, 395-399.	2.0	23
44	Absrobed Dose Estimates in Positron Emission Tomography Studies Based on the Administration of 18F-Labeled Radiopharmaceuticals.. Journal of Radiation Research, 1991, 32, 243-261.	1.6	22
45	Estimation of Oxygen Metabolism in a Rat Model of Permanent Ischemia Using Positron Emission Tomography with Injectable 15O-O2. Journal of Cerebral Blood Flow and Metabolism, 2006, 26, 1577-1583.	4.3	19
46	Astatine-211 imaging by a Compton camera for targeted radiotherapy. Applied Radiation and Isotopes, 2018, 139, 238-243.	1.5	19
47	Use of reference tissue models for quantification of histamine H1 receptors in human brain by using positron emission tomography and [11C]doxepin. Annals of Nuclear Medicine, 2005, 19, 425-433.	2.2	18
48	Optimization of [11C]methionine PET study: appropriate scan timing and effect of plasma amino acid concentrations on the SUV. EJNMMI Research, 2013, 3, 27.	2.5	18
49	Selective accumulation of [62Zn]-labeled glycoconjugated porphyrins as multi-functional positron emission tomography tracers in cancer cells. Bioorganic and Medicinal Chemistry, 2014, 22, 2563-2570.	3.0	18
50	Quantitative evaluation of changes in binding potential with a simplified reference tissue model and multiple injections of [11C]raclopride. NeuroImage, 2009, 47, 1639-1648.	4.2	17
51	Imaging of radiocesium uptake dynamics in a plant body by using a newly developed high-resolution gamma camera. Journal of Environmental Radioactivity, 2016, 151, 461-467.	1.7	17
52	System design and development of a pinhole SPECT system for quantitative functional imaging of small animals. Annals of Nuclear Medicine, 2006, 20, 245-251.	2.2	16
53	Impact of cardiac support device combined with slow-release prostacyclin agonist in a canine ischemic cardiomyopathy model. Journal of Thoracic and Cardiovascular Surgery, 2014, 147, 1081-1087.	0.8	15
54	Optimal scan time of oxygen-15-labeled gas inhalation autoradiographic method for measurement of cerebral oxygen extraction fraction and cerebral oxygen metabolic rate. Annals of Nuclear Medicine, 2008, 22, 667-675.	2.2	14

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55	Development of an ultrahigh-resolution Si-PM-based dual-head GAGG coincidence imaging system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 703, 183-189.	1.6	13
56	Performance comparison of high quantum efficiency and normal quantum efficiency photomultiplier tubes and position sensitive photomultiplier tubes for high resolution PET and SPECT detectors. Medical Physics, 2012, 39, 6900-6907.	3.0	12
57	Use of a clinical MRI scanner for preclinical research on rats. Radiological Physics and Technology, 2009, 2, 13-21.	1.9	11
58	Development of motion correction technique for cardiac 15O-water PET study using an optical motion tracking system. Annals of Nuclear Medicine, 2010, 24, 1-11.	2.2	11
59	Understanding of cerebral energy metabolism by dynamic living brain slice imaging system with [18F]FDG. Neuroscience Research, 2005, 52, 357-361.	1.9	10
60	Three-dimensional SPECT reconstruction with transmission-dependent scatter correction. Annals of Nuclear Medicine, 2008, 22, 549-556.	2.2	10
61	Sensitivity of kinetic macro parameters to changes in dopamine synthesis, storage, and metabolism: A simulation study for [18F]FDOPA PET by a model with detailed dopamine pathway. Synapse, 2011, 65, 751-762.	1.2	10
62	Quantification of regional cerebral blood flow in rats using an arteriovenous shunt and micro-PET. Nuclear Medicine and Biology, 2012, 39, 730-741.	0.6	10
63	Kinetics of neurodegeneration based on a risk-related biomarker in animal model of glaucoma. Molecular Neurodegeneration, 2013, 8, 4.	10.8	10
64	Anatomical variability, multi-modal coordinate systems, and precision targeting in the marmoset brain. NeuroImage, 2022, 250, 118965.	4.2	10
65	Accelerated median root prior reconstruction for pinhole single-photon emission tomography (SPET). Physics in Medicine and Biology, 2003, 48, 1957-1969.	3.0	9
66	Predicting human performance by channelized Hotelling observer in discriminating between Alzheimer's dementia and controls using statistically processed brain perfusion SPECT. Annals of Nuclear Medicine, 2006, 20, 605-613.	2.2	9
67	Biodistribution of 125I-labeled polymeric vaccine carriers after subcutaneous injection. Bioorganic and Medicinal Chemistry, 2013, 21, 5310-5315.	3.0	9
68	Ultrahigh-resolution Cerenkov-light imaging system for positron radionuclides: potential applications and limitations. Annals of Nuclear Medicine, 2014, 28, 961-969.	2.2	9
69	Development of a PET/Cerenkov-light hybrid imaging system. Medical Physics, 2014, 41, 092504.	3.0	9
70	Quantitative kinetic analysis of PET amyloid imaging agents [11C]BF227 and [18F]FACT in human brain. Nuclear Medicine and Biology, 2015, 42, 734-744.	0.6	9
71	Comparison of multi-ray and point-spread function based resolution recovery methods in pinhole SPECT reconstruction. Nuclear Medicine Communications, 2006, 27, 823-827.	1.1	8
72	Measurement of Density and Affinity for Dopamine D2 Receptors by a Single Positron Emission Tomography Scan with Multiple Injections of [11C]raclopride. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 663-673.	4.3	8

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73	Monte Carlo estimation of scatter effects on quantitative myocardial blood flow and perfusable tissue fraction using 3D-PET and ^{15}O-water. Physics in Medicine and Biology, 2012, 57, 7481-7492.	3.0	8
74	Development of a high-resolution YSO gamma camera system that employs 0.8-mm pixels. Annals of Nuclear Medicine, 2014, 28, 232-240.	2.2	8
75	Prediction of the Clinical SUV Ratio in Amyloid PET Imaging Using a Biomathematic Modeling Approach Toward the Efficient Development of a Radioligand. Journal of Nuclear Medicine, 2017, 58, 1285-1292.	5.0	8
76	Development of a Cherenkov light imaging system for studying the dynamics of radiocesium in plants. Journal of Nuclear Science and Technology, 2017, 54, 662-667.	1.3	8
77	Development of a cost-effective Compton camera using a positron emission tomography data acquisition system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 912, 20-23.	1.6	8
78	Relativistic Study on the Scattering of e± from Atoms and Ions of the Rn Isonuclear Series. Atoms, 2021, 9, 59.	1.6	8
79	Error propagation analysis of seven partial volume correction algorithms for [18F]THK-5351 brain PET imaging. EJNMMI Physics, 2020, 7, 57.	2.7	8
80	Quantification of regional myocardial oxygen metabolism in normal pigs using positron emission tomography with injectable 15O-O2. European Journal of Nuclear Medicine and Molecular Imaging, 2010, 37, 377-385.	6.4	7
81	Distribution of Intravenously Administered Acetylcholinesterase Inhibitor and Acetylcholinesterase Activity in the Adrenal Gland: 11C-Donepezil PET Study in the Normal Rat. PLoS ONE, 2014, 9, e107427.	2.5	7
82	Development of a circular shape Si-PM-based detector ring for breast-dedicated PET system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 880, 118-124.	1.6	7
83	Application of astatine-210: Evaluation of astatine distribution and effect of pre-injected iodide in whole body of normal rats. Applied Radiation and Isotopes, 2018, 139, 251-255.	1.5	7
84	A systematic performance evaluation of head motion correction techniques for 3 commercial PET scanners using a reproducible experimental acquisition protocol. Annals of Nuclear Medicine, 2019, 33, 459-470.	2.2	7
85	Theoretical studies on the elastic scattering of e$^{±}$ off the ions of xenon isonuclear series. Physica Scripta, 2021, 96, 025402.	2.5	7
86	New standards for phantom image quality and SUV harmonization range for multicenter oncology PET studies. Annals of Nuclear Medicine, 2022, 36, 144-161.	2.2	7
87	A Theoretical Study of Scattering of Electrons and Positrons by CO2 Molecule. Atoms, 2022, 10, 31.	1.6	7
88	Performance of list mode data acquisition with ECAT EXACT HR and ECAT EXACT HR+ positron emission scanners. Annals of Nuclear Medicine, 2006, 20, 189-194.	2.2	6
89	Rapid Synthesis of 62Zn-Labeled *S*-Glycosylated Porphyrin as Positron Emission Tomography Tracers for In Vivo PET Imaging. Chemistry Letters, 2014, 43, 778-780.	1.3	6
90	Theoretical investigations of e$^{±}$–CO scattering. Journal of Physics B: Atomic, Molecular and Optical Physics, 2021, 54, 095203.	1.5	6

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91	MCHP (Monte Carlo + Human Phantom):ÂPlatform to facilitate teaching nuclear radiation physics. PLoS ONE, 2021, 16, e0257638.	2.5	6
92	Correction of Head Movement Using an Optical Motion Tracking System during PET in a Rhesus Monkey. , 2002, , 1-7.		6
93	An Analysis Scheme for 3D Visualization of Positron Emitting Radioisotopes Using Positron Emission Mammography System. Applied Sciences (Switzerland), 2022, 12, 823.	2.5	6
94	Development of a practical image-based scatter correction method for brain perfusion SPECT: comparison with the TEW method. European Journal of Nuclear Medicine and Molecular Imaging, 2005, 32, 1193-1198.	6.4	5
95	Influence of residual oxygen-15-labeled carbon monoxide radioactivity on cerebral blood flow and oxygen extraction fraction in a dual-tracer autoradiographic method. Annals of Nuclear Medicine, 2009, 23, 363-371.	2.2	5
96	Three-dimensional quantitation of regional cerebral blood flow in mice using a high-resolution pinhole SPECT system and 123I-iodoamphetamine. Nuclear Medicine and Biology, 2011, 38, 1157-1164.	0.6	5
97	Novel regenerative therapy combined with transphrenic peritoneoscopy-assisted omentopexy. Interactive Cardiovascular and Thoracic Surgery, 2018, 26, 993-1001.	1.1	5
98	A novel Tungsten-based fiducial marker for multi-modal brain imaging. Journal of Neuroscience Methods, 2019, 323, 22-31.	2.5	5
99	Iodine-131 labeled genistein as a potential radiotracer for breast cancer. Heliyon, 2020, 6, e04780.	3.2	5
100	Conceptual design of high resolution and quantitative SPECT system for imaging a selected small ROI of human brain. , 2009, , .		4
101	Optimization of transmission scan duration for 15O PET study with sequential dual tracer administration using N-index. Annals of Nuclear Medicine, 2010, 24, 413-420.	2.2	4
102	Pharmacological MRI response to a selective dopamine transporter inhibitor, GBR12909, in awake and anesthetized rats. Synapse, 2015, 69, 203-212.	1.2	4
103	Development of dual-layer GSO depth-of-interaction block detector using angled optical fiber. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 781, 65-70.	1.6	4
104	Development of an Optical Fiber-Based MR Compatible Gamma Camera for SPECT/MRI Systems. IEEE Transactions on Nuclear Science, 2015, 62, 76-81.	2.0	4
105	Biomathematical screening of amyloid radiotracers with clinical usefulness index. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2017, 3, 542-552.	3.7	4
106	Internal radiation dose estimation using multiple Dâ€shuttle dosimeters for positron emission tomography (<scp>PET</scp>): A validation study using <scp>NEMA</scp> body phantom. Medical Physics, 2018, 45, 4693-4703.	3.0	4
107	Error evaluation of the D-shuttle dosimeter technique in positron emission tomography study. Radiological Physics and Technology, 2019, 12, 363-373.	1.9	4
108	Theoretical investigation of the elastic scattering of ${{m{e}}}^{pm}$ by the ions of nitrogen isonuclear series. Physica Scripta, 2020, 95, 085403.	2.5	4

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109	Theoretical study of $e^{\pm}$ scattering by the Au atom. Results in Physics, 2021, 29, 104742.	4.1	4
110	Body-contour versus circular orbit acquisition in cardiac SPECT: Assessment of defect detectability with channelized Hotelling observer. Nuclear Medicine Communications, 2007, 28, 937-942.	1.1	3
111	3D-OSEM Reconstruction from truncated data in pinhole SPECT. , 2007, , .		3
112	Development of a high-sensitivity BGO well counter for small animal PET studies. Radiological Physics and Technology, 2012, 5, 59-62.	1.9	3
113	137Cs transmission imaging and segmented attenuation corrections in a small animal PET scanner. Radiological Physics and Technology, 2017, 10, 321-330.	1.9	3
114	Radioprotective effect of nanoceria and magnetic flower-like iron oxide microparticles on gamma radiation-induced damage in BSA protein. AIMS Biophysics, 2021, 8, 124-142.	0.6	3
115	Greater reductions in blood flow after anti-angiogenic treatment in non-small cell lung cancer patients are associated with shorter progression-free survival. Scientific Reports, 2021, 11, 6805.	3.3	3
116	Radioprotective Role of Vitamins C and E against the Gamma Ray-Induced Damage to the Chemical Structure of Bovine Serum Albumin. Antioxidants, 2021, 10, 1875.	5.1	3
117	Proton range monitoring using 13N peak for proton therapy applications. PLoS ONE, 2022, 17, e0263521.	2.5	3
118	A physiological model for cerebral oxygen delivery and consumption and effective oxygen diffusibility evaluated by PET. International Congress Series, 2004, 1265, 228-237.	0.2	2
119	Measurement of cerebral blood flow with dynamic susceptibility contrast MRI and comparison with O-15 positron emission tomography. International Congress Series, 2004, 1265, 150-158.	0.2	2
120	Online molecular image repository and analysis system: A multicenter collaborative open-source infrastructure for molecular imaging research and application. Computers in Biology and Medicine, 2018, 96, 233-240.	7.0	2
121	Effects of levocetirizine and diphenhydramine on regional glucose metabolic changes and hemodynamic responses in the human prefrontal cortex during cognitive tasks. Human Psychopharmacology, 2018, 33, e2655.	1.5	2
122	Non-invasive imaging of radiocesium dynamics in a living animal using a positron-emitting 127Cs tracer. Scientific Reports, 2020, 10, 16155.	3.3	2
123	CompVision: An open-source five-compartmental software for biokinetic simulations. Open Physics, 2021, 19, 454-459.	1.7	2
124	Renal statistical map for positron emission tomography with [O-15] water. American Journal of Nuclear Medicine and Molecular Imaging, 2019, 9, 193-202.	1.0	2
125	Development of PHITS graphical user interface for simulation of positron emitting radioisotopes production in common biological materials during proton therapy. Journal of Radiation Research, 2022, 63, 385-392.	1.6	2
126	Dependency of energy and spatial distributions of photons on edge of object in brain SPECT. Annals of Nuclear Medicine, 2003, 17, 99-106.	2.2	1

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127	Accelerated 3D-OSEM image reconstruction using a Beowulf PC cluster for pinhole SPECT. Annals of Nuclear Medicine, 2007, 21, 537-543.	2.2	1
128	Clinical usability of a compact high resolution detector for high resolution and quantitative SPECT imaging in a selected small ROI. , 2008, , .		1
129	Combination of a high resolution detector with small FOV and a low resolution detector with large FOV for high resolution and quantitative SPECT. , 2008, , .		1
130	Evaluation of utility of asymmetric index for count-based oxygen extraction fraction on dual-tracer autoradiographic method for chronic unilateral brain infarction. Annals of Nuclear Medicine, 2009, 23, 533-539.	2.2	1
131	Compartmental Modeling in PET Kinetics. , 2017, , 323-352.		1
132	Investigation of the quantitative accuracy of low-dose amyloid and tau PET imaging. Radiological Physics and Technology, 2018, 11, 451-459.	1.9	1
133	Effect of Total Variation Regularization in Bone SPECT Reconstruction from a Small Number of Projections. , 2019, , .		1
134	SecureVision: An Open-Source User-Customizable Image Encryption Program. Applied Sciences (Switzerland), 2021, 11, 7915.	2.5	1
135	Shortening rCBF Measurement Interval in [15O]H2O PET. , 2002, , 195-200.		1
136	Rapid CBF/CMRO2 measurement in a single PET scan with dual tracer administration. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, S672-S672.	4.3	1
137	Quantitative Analysis of Amyloid ÃŸ Deposition in Patients with Alzheimerâ€™s Disease Using Positron Emission Tomography. , 0, , 220-230.		1
138	Noninvasive estimation of human radiation dosimetry of 18F-FDG by whole-body small animal PET imaging in rats. Applied Radiation and Isotopes, 2022, 181, 110071.	1.5	1
139	Adenosine-induced myocardial flow reactivity in pig as assessed with O-15 water PET. International Congress Series, 2004, 1264, 117-125.	0.2	0
140	Body-Contour Acquisition Versus Circular Orbit Acquisition with Resolution Recovery in Cardiac SPECT. , 2006, , .		0
141	Conceptual design of high spatial-resolution SPECT system for human brain. , 2011, , .		0
142	Wavelet-based resolution recovery using anatomical prior provides quantitative recovery for human population phantom PET [<sup>11</sup>C]raclopride data. , 2011, , .		0
143	Evaluation of the Feasibility of Screening Tau Radiotracers Using an Amyloid Biomathematical Screening Methodology. Computational and Mathematical Methods in Medicine, 2018, 2018, 1-13.	1.3	0
144	Development of a Hyperpolarized 129Xe System on 3T for the Rat Lungs. Magnetic Resonance in Medical Sciences, 2004, 3, 1-9.	2.0	0

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145	The Validity and Value of a Quantitative SPECT Reconstruction Package (QSPECT) for evaluating Multi-center Clinical Trials(<SPECIAL ISSUE>Recent Advances in SPECT and PET in the Diagnosis of) Tj ETQq1 1 0.784314 rgBT /Overlo		0
146	Kinetic Models for PET/SPECT Imaging. , 2014, , 1-14.		0
147	Establishment of a Novel Detection System for Measuring Primary Knock-on Atoms. , 2017, , .		0
148	Pharmacokinetic Challenges against Brain Diseases with PET. , 0, , 997-1007.		0
149	Pharmacokinetic Challenges against Brain Diseases with PET. , 0, , 145-155.		0
150	Blood flow analysis for Leukocytaphersis Column. , 2007, , 2588-2590.		0
151	RadStat: An open-source statistical analysis tool for counts obtained by a GM counter. PLoS ONE, 2022, 17, e0267610.	2.5	0
152	Kinetic Models for PET/SPECT Imaging. , 2022, , 1753-1763.		0