

Hidehiro H Iida

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6182849/publications.pdf>

Version: 2024-02-01

257
papers

11,289
citations

28190
55
h-index

34900
98
g-index

264
all docs

264
docs citations

264
times ranked

10023
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Assessment of a digital and an analog PET/CT system for accurate myocardial perfusion imaging with a flow phantom. <i>Journal of Nuclear Cardiology</i> , 2022, 29, 1964-1972. | 1.4 | 4 |
| 2 | Evaluation of [¹⁸ F]F-DPA PET for Detecting Microglial Activation in the Spinal Cord of a Rat Model of Neuropathic Pain. <i>Molecular Imaging and Biology</i> , 2022, 24, 641-650. | 1.3 | 3 |
| 3 | Intravenously delivered multilineage-differentiating stress enduring cells dampen excessive glutamate metabolism and microglial activation in experimental perinatal hypoxic ischemic encephalopathy. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 1707-1720. | 2.4 | 24 |
| 4 | A non-invasive reference-based method for imaging the cerebral metabolic rate of oxygen by PET/MR: theory and error analysis. <i>Physics in Medicine and Biology</i> , 2021, 66, 065009. | 1.6 | 5 |
| 5 | A Noninvasive Method for Quantifying Cerebral Metabolic Rate of Oxygen by Hybrid PET/MRI: Validation in a Porcine Model. <i>Journal of Nuclear Medicine</i> , 2021, 62, 1789-1796. | 2.8 | 8 |
| 6 | Magnetic Resonance-Based Attenuation Correction and Scatter Correction in Neurological Positron Emission Tomography/Magnetic Resonance Imaging—Current Status With Emerging Applications. <i>Frontiers in Physics</i> , 2020, 7, . | 1.0 | 24 |
| 7 | Consensus Recommendations on the Use of ¹⁸ F-FDG PET/CT in Lung Disease. <i>Journal of Nuclear Medicine</i> , 2020, 61, 1701-1707. | 2.8 | 8 |
| 8 | Early Detection of Cerebral Infarction After Focal Ischemia Using a New MRI Indicator. <i>Molecular Neurobiology</i> , 2019, 56, 658-670. | 1.9 | 16 |
| 9 | Amyloid β deposition in subcortical stroke patients and effects of educational achievement: A pilot study. <i>International Journal of Geriatric Psychiatry</i> , 2019, 34, 1651-1657. | 1.3 | 9 |
| 10 | Renal hemodynamics and fatty acid uptake: effects of obesity and weight loss. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 317, E871-E878. | 1.8 | 25 |
| 11 | Renal vascular resistance is increased in patients with kidney transplant. <i>BMC Nephrology</i> , 2019, 20, 437. | 0.8 | 7 |
| 12 | Detection of brain amyloid β deposits due to the repetitive head trauma in a former karate player. <i>Psychogeriatrics</i> , 2019, 19, 276-281. | 0.6 | 3 |
| 13 | 2089-P: Regional Renal Hemodynamics and Fatty Acid Uptake: Effects of Obesity and Weight Loss. <i>Diabetes</i> , 2019, 68, 2089-P. | 0.3 | 0 |
| 14 | Dysregulation of RNF213 promotes cerebral hypoperfusion. <i>Scientific Reports</i> , 2018, 8, 3607. | 1.6 | 34 |
| 15 | Superfine Magnetic Resonance Imaging of the Cerebrovasculature Using Self-Assembled Branched Polyethylene Glycol-Gd Contrast Agent. <i>Macromolecular Bioscience</i> , 2018, 18, e1700391. | 2.1 | 4 |
| 16 | Development of matrix metalloproteinase-targeted probes for lung inflammation detection with positron emission tomography. <i>Scientific Reports</i> , 2018, 8, 1347. | 1.6 | 14 |
| 17 | ¹²³ I-Labeled oxLDL Is Widely Distributed Throughout the Whole Body in Mice. <i>Nuclear Medicine and Molecular Imaging</i> , 2018, 52, 144-153. | 0.6 | 6 |
| 18 | System evaluation of automated production and inhalation of ¹⁵ O-labeled gaseous radiopharmaceuticals for the rapid ¹⁵ O-oxygen PET examinations. <i>EJNMMI Physics</i> , 2018, 5, 37. | 1.3 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | The renal blood flow reserve in healthy humans and patients with atherosclerotic renovascular disease measured by positron emission tomography using [¹⁵ O]H ₂ O. <i>EJNMMI Research</i> , 2018, 8, 45. | 1.1 | 6 |
| 20 | One-pot enzymatic synthesis of l-[³⁻¹¹ C]lactate for pharmacokinetic analysis of lactate metabolism in rat brain. <i>Nuclear Medicine and Biology</i> , 2018, 64-65, 28-33. | 0.3 | 2 |
| 21 | Vascular responses to abrupt blood flow change after bypass surgery for complex intracranial aneurysms. <i>Acta Neurochirurgica</i> , 2018, 160, 1945-1953. | 0.9 | 2 |
| 22 | Use of T1-weighted/T2-weighted magnetic resonance ratio to elucidate changes due to amyloid β^2 accumulation in cognitively normal subjects. <i>NeuroImage: Clinical</i> , 2017, 13, 209-214. | 1.4 | 23 |
| 23 | Mutual effect of cerebral amyloid β^2 and peripheral lymphocytes in cognitively normal older individuals. <i>International Journal of Geriatric Psychiatry</i> , 2017, 32, e93-e99. | 1.3 | 13 |
| 24 | Binding of ¹¹ C-Pittsburgh compound-B correlated with white matter injury in hypertensive small vessel disease. <i>Annals of Nuclear Medicine</i> , 2017, 31, 227-234. | 1.2 | 2 |
| 25 | Influences of 3D PET scanner components on increased scatter evaluated by a Monte Carlo simulation. <i>Physics in Medicine and Biology</i> , 2017, 62, 4017-4030. | 1.6 | 6 |
| 26 | Significant correlation between openness personality in normal subjects and brain myelin mapping with T1/T2-weighted MR imaging. <i>Heliyon</i> , 2017, 3, e00411. | 1.4 | 15 |
| 27 | Sequential PET estimation of cerebral oxygen metabolism with spontaneous respiration of ¹⁵ O-gas in mice with bilateral common carotid artery stenosis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 3334-3343. | 2.4 | 16 |
| 28 | Microstructural Differences in the Corpus Callosum in Patients With Bipolar Disorder and Major Depressive Disorder. <i>Journal of Clinical Psychiatry</i> , 2017, 78, 99-104. | 1.1 | 26 |
| 29 | Silent ischemic lesion laterality in asymptomatic internal carotid artery stenosis relates to reduced cerebral vasoreactivity. , 2017, 8, 6. | | 4 |
| 30 | High amyloid β^2 deposition related to depressive symptoms in older individuals with normal cognition: a pilot study. <i>International Journal of Geriatric Psychiatry</i> , 2016, 31, 920-928. | 1.3 | 53 |
| 31 | Association between chronic stress-induced structural abnormalities in Ranvier nodes and reduced oligodendrocyte activity in major depression. <i>Scientific Reports</i> , 2016, 6, 23084. | 1.6 | 80 |
| 32 | Substantial Reduction of Parenchymal Cerebral Blood Flow in Mice with Bilateral Common Carotid Artery Stenosis. <i>Scientific Reports</i> , 2016, 6, 32179. | 1.6 | 40 |
| 33 | Interhemispheric functional disconnection because of abnormal corpus callosum integrity in bipolar disorder type II. <i>BJPsych Open</i> , 2016, 2, 335-340. | 0.3 | 37 |
| 34 | Cerebral blood flow and metabolism associated with cerebral microbleeds in small vessel disease. <i>Annals of Nuclear Medicine</i> , 2016, 30, 494-500. | 1.2 | 11 |
| 35 | Development of in vivo tissue-engineered microvascular grafts with an ultra small diameter of 0.6 μ m (MicroBiotubes): acute phase evaluation by optical coherence tomography and magnetic resonance angiography. <i>Journal of Artificial Organs</i> , 2016, 19, 262-269. | 0.4 | 14 |
| 36 | A structural model of age, grey matter volumes, education, and personality traits. <i>Psychogeriatrics</i> , 2016, 16, 46-53. | 0.6 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Reduction in camera-specific variability in [¹²³ I]FP-CIT SPECT outcome measures by image reconstruction optimized for multisite settings: impact on age-dependence of the specific binding ratio in the ENC-DAT database of healthy controls. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 43, 1323-1336. | 3.3 | 35 |
| 38 | Effect of Attenuation Correction on Regional Quantification Between PET/MR and PET/CT: A Multicenter Study Using a 3-Dimensional Brain Phantom. <i>Journal of Nuclear Medicine</i> , 2016, 57, 818-824. | 2.8 | 11 |
| 39 | Gradual Carotid Artery Stenosis in Mice Closely Replicates Hypoperfusive Vascular Dementia in Humans. <i>Journal of the American Heart Association</i> , 2016, 5, . | 1.6 | 50 |
| 40 | Quantitative Assessment of Regional Myocardial Blood Flow with Clinical SPECT. <i>Annals of Nuclear Cardiology</i> , 2016, 2, 111-121. | 0.0 | 2 |
| 41 | The Need for Quantitative SPECT in Clinical Brain Examinations. , 2016, , 17-38. | | 0 |
| 42 | Mismatch cases between clinical finding and image finding on ¹⁵ O gas PET/CT study caused by misregistration of PET data relative to CT-based attenuation maps. No Junkan Taisha = Cerebral Blood Flow and Metabolism, 2016, 27, 215-224. | 0.1 | 0 |
| 43 | Quantitative Assessment of Regional Myocardial Blood Flow with Clinical SPECT. <i>Annals of Nuclear Cardiology</i> , 2016, 2, 111-121. | 0.0 | 0 |
| 44 | Development of high-resolution brain SPECT system using full-digital gamma camera with multiple position-sensitive PMTs. , 2015, , . | | 0 |
| 45 | Low amyloid β deposition correlates with high education in cognitively normal older adults: a pilot study. <i>International Journal of Geriatric Psychiatry</i> , 2015, 30, 919-926. | 1.3 | 22 |
| 46 | A Novel Mouse Model of Subcortical Infarcts with Dementia. <i>Journal of Neuroscience</i> , 2015, 35, 3915-3928. | 1.7 | 82 |
| 47 | Resting-state synchrony between the retrosplenial cortex and anterior medial cortical structures relates to memory complaints in subjective cognitive impairment. <i>Neurobiology of Aging</i> , 2015, 36, 2145-2152. | 1.5 | 33 |
| 48 | Delayed atrophy in posterior cingulate cortex and apathy after stroke. <i>International Journal of Geriatric Psychiatry</i> , 2015, 30, 566-572. | 1.3 | 15 |
| 49 | Intraperitoneal and intravenous deliveries are not comparable in terms of drug efficacy and cell distribution in neonatal mice with hypoxia-induced ischemia. <i>Brain and Development</i> , 2015, 37, 376-386. | 0.6 | 35 |
| 50 | Combined PET/MRI: Multi-modality Multi-parametric Imaging Is Here. <i>Molecular Imaging and Biology</i> , 2015, 17, 595-608. | 1.3 | 56 |
| 51 | Asymmetrical intersection between the middle cerebral artery and rhinal vein suggests asymmetrical gustatory cortex location in rodent hemispheres. <i>Neuroscience Letters</i> , 2015, 589, 150-152. | 1.0 | 4 |
| 52 | PET Quantification of Cerebral Oxygen Metabolism in Small Animals. <i>Scientific World Journal</i> , The, 2014, 2014, 1-7. | 0.8 | 5 |
| 53 | Quantitative assessment of rest and acetazolamide CBF using quantitative SPECT reconstruction and sequential administration of ¹²³ I-iodoamphetamine: comparison among data acquired at three institutions. <i>Annals of Nuclear Medicine</i> , 2014, 28, 836-850. | 1.2 | 12 |
| 54 | Adequacy of a Compartment Model for CMRO ₂ Quantitation Using ¹⁵ O-Labeled Oxygen and PET: A Clearance Measurement of ¹⁵ O-Radioactivity Following Intracarotid Bolus Injection of ¹⁵ O-Labeled Oxyhemoglobin on <i>Macaca Fascicularis</i> . <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 1434-1439. | 2.4 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Quantification of myocardial blood flow using 201Tl SPECT and population-based input function. <i>Annals of Nuclear Medicine</i> , 2014, 28, 917-925. | 1.2 | 8 |
| 56 | Validity of using a 3-dimensional PET scanner during inhalation of ¹⁵ O-labeled oxygen for quantitative assessment of regional metabolic rate of oxygen in man. <i>Physics in Medicine and Biology</i> , 2014, 59, 5593-5609. | 1.6 | 26 |
| 57 | Microstructural abnormality in white matter, regulatory T lymphocytes, and depressive symptoms after stroke. <i>Psychogeriatrics</i> , 2014, 14, 213-221. | 0.6 | 12 |
| 58 | Microstructural changes of the nucleus accumbens due to increase of estradiol level during menstrual cycle contribute to recurrent manic episodes—A single case study. <i>Psychiatry Research - Neuroimaging</i> , 2014, 221, 149-154. | 0.9 | 3 |
| 59 | Microstructural abnormalities in white matter and their effect on depressive symptoms after stroke. <i>Psychiatry Research - Neuroimaging</i> , 2014, 223, 9-14. | 0.9 | 14 |
| 60 | Hyperthyroidism Increases Brown Fat Metabolism in Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, E28-E35. | 1.8 | 95 |
| 61 | Long-Term/Bioinert Labeling of Rat Mesenchymal Stem Cells with PVA-Gd Conjugates and MRI Monitoring of the Labeled Cell Survival after Intramuscular Transplantation. <i>Bioconjugate Chemistry</i> , 2014, 25, 1243-1251. | 1.8 | 20 |
| 62 | Effects of Magnetic Fields of up to 9.4 T on Resolution and Contrast of PET Images as Measured with an MR-BrainPET. <i>PLoS ONE</i> , 2014, 9, e95250. | 1.1 | 28 |
| 63 | Imaging of the appearance time of cerebral blood using [15O]H ₂ O PET for the computation of correct CBF. <i>EJNMMI Research</i> , 2013, 3, 41. | 1.1 | 7 |
| 64 | Implantation study of small-caliber α -biotube vascular grafts in a rat model. <i>Journal of Artificial Organs</i> , 2013, 16, 59-65. | 0.4 | 28 |
| 65 | Advances in multimodal neuroimaging: Hybrid MR-PET and MR-PET-EEG at 3T and 9.4T. <i>Journal of Magnetic Resonance</i> , 2013, 229, 101-115. | 1.2 | 67 |
| 66 | Advances in hybrid MR-PET at 3T and 9.4T in humans. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 702, 16-21. | 0.7 | 5 |
| 67 | Verification of a semi-automated MRI-guided technique for non-invasive determination of the arterial input function in 15O-labeled gaseous PET. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 702, 111-113. | 0.7 | 15 |
| 68 | Three-dimensional brain phantom containing bone and grey matter structures with a realistic head contour. <i>Annals of Nuclear Medicine</i> , 2013, 27, 25-36. | 1.2 | 68 |
| 69 | The Leptomeningeal Ivy Sign on Fluid-Attenuated Inversion Recovery Images in Moyamoya Disease: Positron Emission Tomography Study. <i>Cerebrovascular Diseases</i> , 2013, 36, 19-25. | 0.8 | 28 |
| 70 | Rapid Quantitative <i>CBF</i> and <i>CMRO₂</i> Measurements from a Single <i>PET</i> Scan with Sequential Administration of Dual ¹⁵ O-Labeled Tracers. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 440-448. | 2.4 | 41 |
| 71 | Preserved Acetazolamide Reactivity in Lacunar Patients with Severe White-Matter Lesions: ¹⁵ O-Labeled Gas and H ₂ O Positron Emission Tomography Studies. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 844-850. | 2.4 | 22 |
| 72 | Cerebral Blood Flow and Metabolism of Hyperperfusion after Cerebral Revascularization in Patients with Moyamoya Disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 2066-2075. | 2.4 | 71 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Reproducibility of Cerebral Blood Flow Assessment using a Quantitative SPECT Reconstruction Program and Split-Dose ¹²³ I-Iodoamphetamine in Institutions with Different ¹³ I-Cameras and Collimators. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 1757-1764. | 2.4 | 20 |
| 74 | Quantitative assessment of regional cerebral blood flow by dynamic susceptibility contrast-enhanced MRI, without the need for arterial blood signals. <i>Physics in Medicine and Biology</i> , 2012, 57, 7873-7892. | 1.6 | 7 |
| 75 | Quantification of regional cerebral blood flow in rats using an arteriovenous shunt and micro-PET. <i>Nuclear Medicine and Biology</i> , 2012, 39, 730-741. | 0.3 | 10 |
| 76 | Monte Carlo estimation of scatter effects on quantitative myocardial blood flow and perfusable tissue fraction using 3D-PET and ¹⁵ O-water. <i>Physics in Medicine and Biology</i> , 2012, 57, 7481-7492. | 1.6 | 8 |
| 77 | F-18 fluorodeoxyglucose uptake and water-perfusable tissue fraction in assessment of myocardial viability. <i>Annals of Nuclear Medicine</i> , 2012, 26, 644-655. | 1.2 | 13 |
| 78 | Breath-hold CT attenuation correction for quantitative cardiac SPECT. <i>EJNMMI Research</i> , 2012, 2, 33. | 1.1 | 11 |
| 79 | Monte Carlo simulation of scintillation photons for the design of a high-resolution SPECT detector dedicated to human brain. <i>Annals of Nuclear Medicine</i> , 2012, 26, 214-221. | 1.2 | 7 |
| 80 | Effects of patient movement on measurements of myocardial blood flow and viability in resting ¹⁵ O-water PET studies. <i>Journal of Nuclear Cardiology</i> , 2012, 19, 524-533. | 1.4 | 29 |
| 81 | Parametric imaging of myocardial viability using ¹⁵ O-labelled water and PET/CT: comparison with late gadolinium-enhanced CMR. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2012, 39, 1240-1245. | 3.3 | 12 |
| 82 | The use of magnetic resonance cell tracking to monitor endothelial progenitor cells in a rat hindlimb ischemic model. <i>Biomaterials</i> , 2012, 33, 2439-2448. | 5.7 | 39 |
| 83 | Determination of two-photon-excitation cross section for molecular isotope separation. <i>Journal of Molecular Spectroscopy</i> , 2012, 274, 14-21. | 0.4 | 2 |
| 84 | Long-Term <i>In Vivo</i> Magnetic Resonance Imaging Tracking of Endothelial Progenitor Cells Transplanted in Rat Ischemic Limbs and Their Angiogenic Potential. <i>Tissue Engineering - Part A</i> , 2011, 17, 2079-2089. | 1.6 | 20 |
| 85 | Experimental Pig Model of Old Myocardial Infarction with Long Survival Leading to Chronic Left Ventricular Dysfunction and Remodeling as Evaluated by PET. <i>Journal of Nuclear Medicine</i> , 2011, 52, 761-768. | 2.8 | 29 |
| 86 | Three-dimensional quantitation of regional cerebral blood flow in mice using a high-resolution pinhole SPECT system and ¹²³ I-iodoamphetamine. <i>Nuclear Medicine and Biology</i> , 2011, 38, 1157-1164. | 0.3 | 5 |
| 87 | Sensitivity of kinetic macro parameters to changes in dopamine synthesis, storage, and metabolism: A simulation study for [¹⁸ F]FDOPA PET by a model with detailed dopamine pathway. <i>Synapse</i> , 2011, 65, 751-762. | 0.6 | 10 |
| 88 | Impaired Myocardium Regeneration With Skeletal Cell Sheets—A Preclinical Trial for Tissue-Engineered Regeneration Therapy. <i>Transplantation</i> , 2010, 90, 364-372. | 0.5 | 118 |
| 89 | Quantification of regional myocardial oxygen metabolism in normal pigs using positron emission tomography with injectable ¹⁵ O-O ₂ . <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010, 37, 377-385. | 3.3 | 7 |
| 90 | Development of motion correction technique for cardiac ¹⁵ O-water PET study using an optical motion tracking system. <i>Annals of Nuclear Medicine</i> , 2010, 24, 1-11. | 1.2 | 11 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | Optimization of transmission scan duration for ^{15}O PET study with sequential dual tracer administration using N-index. <i>Annals of Nuclear Medicine</i> , 2010, 24, 413-420. | 1.2 | 4 |
| 92 | Design and characterization of a polymeric MRI contrast agent based on PVA for <i>in vivo</i> living cell tracking. <i>Contrast Media and Molecular Imaging</i> , 2010, 5, 309-317. | 0.4 | 24 |
| 93 | 3 Tesla magnetic resonance angiographic assessment of a tissue engineered small caliber vascular graft implanted in a rat. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010, 92B, 156-160. | 1.6 | 8 |
| 94 | Measurement of Density and Affinity for Dopamine D2 Receptors by a Single Positron Emission Tomography Scan with Multiple Injections of [^{11}C]raclopride. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010, 30, 663-673. | 2.4 | 8 |
| 95 | 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. <i>Journal of Nuclear Medicine</i> , 2010, 51, 1624-1631. | 2.8 | 69 |
| 96 | Influence from high and ultra-high magnetic field on positron range measured with a ^9Tm -BrainPET. , 2010, , . | | 6 |
| 97 | Slowly progressive neuronal death associated with postischemic hyperperfusion in cortical laminar necrosis after high-flow bypass for a carotid intracavernous aneurysm. <i>Journal of Neurosurgery</i> , 2010, 112, 1254-1259. | 0.9 | 10 |
| 98 | 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. <i>Experimental Neurology</i> , 2010, 223, 537-547. | 2.0 | 107 |
| 99 | Conceptual design of high resolution and quantitative SPECT system for imaging a selected small ROI of human brain. , 2009, , . | | 4 |
| 100 | Influence of residual oxygen-15-labeled carbon monoxide radioactivity on cerebral blood flow and oxygen extraction fraction in a dual-tracer autoradiographic method. <i>Annals of Nuclear Medicine</i> , 2009, 23, 363-371. | 1.2 | 5 |
| 101 | Evaluation of utility of asymmetric index for count-based oxygen extraction fraction on dual-tracer autoradiographic method for chronic unilateral brain infarction. <i>Annals of Nuclear Medicine</i> , 2009, 23, 533-539. | 1.2 | 1 |
| 102 | Use of a clinical MRI scanner for preclinical research on rats. <i>Radiological Physics and Technology</i> , 2009, 2, 13-21. | 1.0 | 11 |
| 103 | Parametric renal blood flow imaging using [^{15}O]H $_2\text{O}$ and PET. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009, 36, 683-691. | 3.3 | 24 |
| 104 | Non-invasive estimation of hepatic glucose uptake from [^{18}F]FDG PET images using tissue-derived input functions. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009, 36, 2014-2026. | 3.3 | 23 |
| 105 | A Physiologic Model for Recirculation Water Correction in CMRO $_2$ Assessment with ^{15}O Inhalation PET. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 355-364. | 2.4 | 23 |
| 106 | Combined autologous cellular cardiomyoplasty using skeletal myoblasts and bone marrow cells for human ischemic cardiomyopathy with left ventricular assist system implantation: Report of a case. <i>Surgery Today</i> , 2009, 39, 133-136. | 0.7 | 31 |
| 107 | Quantitative evaluation of changes in binding potential with a simplified reference tissue model and multiple injections of [^{11}C]raclopride. <i>NeuroImage</i> , 2009, 47, 1639-1648. | 2.1 | 17 |
| 108 | A method to measure PET scatter fractions for daily quality control. <i>Medical Physics</i> , 2009, 36, 4609-4615. | 1.6 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | Absolute quantitation of myocardial blood flow with 201Tl and dynamic SPECT in canine: optimisation and validation of kinetic modelling. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2008, 35, 896-905. | 3.3 | 45 |
| 110 | Non-invasive estimation of hepatic blood perfusion from H ₂ 15O PET images using tissue-derived arterial and portal input functions. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2008, 35, 1899-1911. | 3.3 | 29 |
| 111 | Optimal scan time of oxygen-15-labeled gas inhalation autoradiographic method for measurement of cerebral oxygen extraction fraction and cerebral oxygen metabolic rate. <i>Annals of Nuclear Medicine</i> , 2008, 22, 667-675. | 1.2 | 14 |
| 112 | Three-dimensional SPECT reconstruction with transmission-dependent scatter correction. <i>Annals of Nuclear Medicine</i> , 2008, 22, 549-556. | 1.2 | 10 |
| 113 | Heart and brain circulation and CO ₂ in healthy men. <i>Acta Physiologica</i> , 2008, 193, 303-308. | 1.8 | 25 |
| 114 | Comparison of gad-dtpa-induced signal enhancements in rat brain c6 glioma among different pulse sequences in 3-tesla magnetic resonance imaging. <i>Acta Radiologica</i> , 2008, 49, 172-179. | 0.5 | 4 |
| 115 | Acceleration of Monte Carlo-based scatter compensation for cardiac SPECT. <i>Physics in Medicine and Biology</i> , 2008, 53, N277-N285. | 1.6 | 45 |
| 116 | Delayed Postischemic Treatment With Fluvastatin Improved Cognitive Impairment After Stroke in Rats. <i>Stroke</i> , 2007, 38, 3251-3258. | 1.0 | 32 |
| 117 | Separation of input function for rapid measurement of quantitative CMRO ₂ and CBF in a single PET scan with a dual tracer administration method. <i>Physics in Medicine and Biology</i> , 2007, 52, 1893-1908. | 1.6 | 33 |
| 118 | Body-contour versus circular orbit acquisition in cardiac SPECT: Assessment of defect detectability with channelized Hotelling observer. <i>Nuclear Medicine Communications</i> , 2007, 28, 937-942. | 0.5 | 3 |
| 119 | Consensus Nomenclature for in vivo Imaging of Reversibly Binding Radioligands. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007, 27, 1533-1539. | 2.4 | 1,840 |
| 120 | Accelerated 3D-OSEM image reconstruction using a Beowulf PC cluster for pinhole SPECT. <i>Annals of Nuclear Medicine</i> , 2007, 21, 537-543. | 1.2 | 1 |
| 121 | Quantitative mapping of basal and vasoreactive cerebral blood flow using split-dose 123I-iodoamphetamine and single photon emission computed tomography. <i>NeuroImage</i> , 2006, 33, 1126-1135. | 2.1 | 45 |
| 122 | Comparison of multi-ray and point-spread function based resolution recovery methods in pinhole SPECT reconstruction. <i>Nuclear Medicine Communications</i> , 2006, 27, 823-827. | 0.5 | 8 |
| 123 | Estimation of Oxygen Metabolism in a Rat Model of Permanent Ischemia Using Positron Emission Tomography with Injectable 15O-O ₂ . <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2006, 26, 1577-1583. | 2.4 | 19 |
| 124 | Use of a compact pixellated gamma camera for small animal pinhole SPECT imaging. <i>Annals of Nuclear Medicine</i> , 2006, 20, 409-416. | 1.2 | 32 |
| 125 | Performance of list mode data acquisition with ECAT EXACT HR and ECAT EXACT HR+ positron emission scanners. <i>Annals of Nuclear Medicine</i> , 2006, 20, 189-194. | 1.2 | 6 |
| 126 | System design and development of a pinhole SPECT system for quantitative functional imaging of small animals. <i>Annals of Nuclear Medicine</i> , 2006, 20, 245-251. | 1.2 | 16 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Widespread decrease of nicotinic acetylcholine receptors in Parkinson's disease. <i>Annals of Neurology</i> , 2006, 59, 174-177. | 2.8 | 85 |
| 128 | The association between the Val158Met polymorphism of the catechol-O-methyl transferase gene and morphological abnormalities of the brain in chronic schizophrenia. <i>Brain</i> , 2006, 129, 399-410. | 3.7 | 142 |
| 129 | Gene Transfer of Hepatocyte Growth Factor Gene Improves Learning and Memory in the Chronic Stage of Cerebral Infarction. <i>Hypertension</i> , 2006, 47, 742-751. | 1.3 | 65 |
| 130 | Dopaminergic neurons generated from monkey embryonic stem cells function in a Parkinson primate model. <i>Journal of Clinical Investigation</i> , 2005, 115, 102-109. | 3.9 | 418 |
| 131 | Rapid Quantitative Measurement of CMRO ₂ and CBF by Dual Administration of ¹⁵ O-Labeled Oxygen and Water During a Single PET Scan—a Validation Study and Error Analysis in Anesthetized Monkeys. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, 1209-1224. | 2.4 | 76 |
| 132 | Development of a practical image-based scatter correction method for brain perfusion SPECT: comparison with the TEW method. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2005, 32, 1193-1198. | 3.3 | 5 |
| 133 | Understanding of cerebral energy metabolism by dynamic living brain slice imaging system with [¹⁸ F]FDG. <i>Neuroscience Research</i> , 2005, 52, 357-361. | 1.0 | 10 |
| 134 | Rapid CBF/CMRO ₂ measurement in a single PET scan with dual tracer administration. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S672-S672. | 2.4 | 1 |
| 135 | Alteration of oxygen metabolism in MCA occlusion rat model by positron emission tomography with injectable O-15-oxygen. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S553-S553. | 2.4 | 0 |
| 136 | Development of sinogram-based estimation method of delay time of arterial input function with O-15 tracer and PET study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S674-S674. | 2.4 | 0 |
| 137 | Parametric imaging of myocardial blood flow with ¹⁵ O-water and PET using the basis function method. <i>Journal of Nuclear Medicine</i> , 2005, 46, 1219-24. | 2.8 | 45 |
| 138 | A new reconstruction strategy for image improvement in pinhole SPECT. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2004, 31, 1166-72. | 3.3 | 27 |
| 139 | Left atrial versus left ventricular input function for quantification of the myocardial blood flow with nitrogen-13 ammonia and positron emission tomography. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2004, 31, 71-76. | 3.3 | 12 |
| 140 | Effect of scatter correction on the compartmental measurement of striatal and extrastriatal dopamine D ₂ receptors using [¹²³ I]epidepride SPET. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2004, 31, 644-654. | 3.3 | 11 |
| 141 | Long-term effect of motor cortical repetitive transcranial magnetic stimulation induces. <i>Annals of Neurology</i> , 2004, 56, 77-85. | 2.8 | 61 |
| 142 | Optimization of the width of the photopeak energy window in the TDCS technique for scatter correction in quantitative SPECT. <i>IEEE Transactions on Nuclear Science</i> , 2004, 51, 625-630. | 1.2 | 6 |
| 143 | Endogenous dopamine release induced by repetitive transcranial magnetic stimulation over the primary motor cortex: an [¹¹ C]raclopride positron emission tomography study in anesthetized macaque monkeys. <i>Biological Psychiatry</i> , 2004, 55, 484-489. | 0.7 | 91 |
| 144 | Therapeutic mechanism of repetitive transcranial magnetic stimulation (rTMS)—a monkey PET study. <i>International Congress Series</i> , 2004, 1264, 186-190. | 0.2 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | Development of injectable O-15 oxygen and estimation of OEF in a transient ischemiaâ€“reperfusion rat model. International Congress Series, 2004, 1264, 197-201. | 0.2 | 0 |
| 146 | Future perspectives in in vivo quantitation of bio-physiological parameters. International Congress Series, 2004, 1264, 148-157. | 0.2 | 0 |
| 147 | Adenosine-induced myocardial flow reactivity in pig as assessed with O-15 water PET. International Congress Series, 2004, 1264, 117-125. | 0.2 | 0 |
| 148 | Development of injectable O-15 oxygen and its application for estimation of OEF. International Congress Series, 2004, 1265, 262-265. | 0.2 | 2 |
| 149 | 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 |
| 150 | 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 |
| 151 | New method for the synthesis of 15O-labeled carbon monoxide and 15O-labeled dioxide for rapid supply in clinical use. International Congress Series, 2004, 1265, 93-96. | 0.2 | 3 |
| 152 | Improved parametric images of blood flow and vascular volume by. International Congress Series, 2004, 1265, 79-83. | 0.2 | 1 |
| 153 | Improved parametric images of blood flow and vascular volume by cluster analysis in H215O brain PET study. International Congress Series, 2004, 1265, 79-83. | 0.2 | 0 |
| 154 | Development of a Hyperpolarized 129Xe System on 3T for the Rat Lungs. Magnetic Resonance in Medical Sciences, 2004, 3, 1-9. | 1.1 | 0 |
| 155 | (18)F-FDG accumulation in atherosclerotic plaques: immunohistochemical and PET imaging study. Journal of Nuclear Medicine, 2004, 45, 1245-50. | 2.8 | 244 |
| 156 | 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. | 1.6 | 28 |
| 157 | Dependency of energy and spatial distributions of photons on edge of object in brain SPECT. Annals of Nuclear Medicine, 2003, 17, 99-106. | 1.2 | 1 |
| 158 | Validation of the dual-table autoradiographic method to quantify two sequential rCBFs in a single SPET session with N-isopropyl-[123I]p-iodoamphetamine. European Journal of Nuclear Medicine and Molecular Imaging, 2003, 30, 943-950. | 3.3 | 12 |
| 159 | Quantification of nicotinic acetylcholine receptors in human brain using [123I]5-I-A-85380 SPET. European Journal of Nuclear Medicine and Molecular Imaging, 2003, 30, 1620-1629. | 3.3 | 45 |
| 160 | Development of Injectable O-15 Oxygen and Estimation of Rat OEF. Journal of Cerebral Blood Flow and Metabolism, 2003, 23, 671-676. | 2.4 | 38 |
| 161 | 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. | 2.4 | 67 |
| 162 | Development of a GSO detector assembly for a continuous blood sampling system. IEEE Transactions on Nuclear Science, 2003, 50, 70-73. | 1.2 | 48 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | Activation of the Anterior Cingulate Gyru by 'Green Odor': A Positron Emission Tomography Study in the Monkey. <i>Chemical Senses</i> , 2003, 28, 565-572. | 1.1 | 24 |
| 164 | Accelerated median root prior reconstruction for pinhole single-photon emission tomography (SPET). <i>Physics in Medicine and Biology</i> , 2003, 48, 1957-1969. | 1.6 | 9 |
| 165 | Chapter 8 A coil for magnetic stimulation of the macaque monkey brain. <i>Supplements To Clinical Neurophysiology</i> , 2003, 56, 75-80. | 2.1 | 6 |
| 166 | Magnetic Resonance Spectra of Hyperpolarized ^{129}Xe in Human Blood and Living Rat Chest. <i>Magnetic Resonance in Medical Sciences</i> , 2003, 2, 189-194. | 1.1 | 4 |
| 167 | Quantification in SPECT cardiac imaging. <i>Journal of Nuclear Medicine</i> , 2003, 44, 40-2. | 2.8 | 4 |
| 168 | Contribution of scatter and attenuation compensation to SPECT images of nonuniformly distributed brain activities. <i>Journal of Nuclear Medicine</i> , 2003, 44, 512-9. | 2.8 | 25 |
| 169 | Regional Changes in Human Cerebral Blood Flow during Dipyridamole Stress: Neural Activation in the Thalamus and Prefrontal Cortex. <i>NeuroImage</i> , 2002, 16, 788-793. | 2.1 | 6 |
| 170 | Determination of EC/IC bypass candidate by quantitative CBF measurement with by O-15 brain PET and I-123 IMP brain SPECT. <i>International Congress Series</i> , 2002, 1228, 63-70. | 0.2 | 0 |
| 171 | Evaluation of a commercial PET tomograph-based system for the quantitative assessment of rCBF, rOEF and rCMRO ₂ by using sequential administration of ^{15}O -labeled compounds. <i>Annals of Nuclear Medicine</i> , 2002, 16, 317-327. | 1.2 | 37 |
| 172 | Correction of Head Movement Using an Optical Motion Tracking System during PET in a Rhesus Monkey. , 2002, , 1-7. | | 6 |
| 173 | Shortening rCBF Measurement Interval in [^{15}O]H ₂ O PET. , 2002, , 195-200. | | 1 |
| 174 | Reduced myocardial flow reserve relates to increased carotid intima-media thickness in healthy young men. <i>Atherosclerosis</i> , 2001, 156, 469-475. | 0.4 | 27 |
| 175 | Comparison of myocardial blood flow during dobutamine-atropine infusion with that after dipyridamole administration in normal men. <i>Journal of the American College of Cardiology</i> , 2001, 37, 130-136. | 1.2 | 54 |
| 176 | Use of [^{11}C]acetate and [^{15}O]O ₂ PET for the assessment of myocardial oxygen utilization in patients with chronic myocardial infarction. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2001, 28, 334-339. | 2.2 | 16 |
| 177 | Instrumentation and Methodology for Quantitative Pre-Clinical Imaging Studies. <i>Current Pharmaceutical Design</i> , 2001, 7, 1945-1966. | 0.9 | 18 |
| 178 | Regional Myocardial Metabolic Rate of Oxygen Measured by O ₂ -15 Inhalation and Positron Emission Tomography in Patients with Cardiomyopathy. <i>Clinical Nuclear Medicine</i> , 2001, 26, 41-49. | 0.7 | 14 |
| 179 | Clinical Advantages of Interictal SPECT Coregistered to Magnetic Resonance Imaging in Patients with Epilepsy. <i>Clinical Nuclear Medicine</i> , 2001, 26, 334-339. | 0.7 | 6 |
| 180 | Arterial fraction of cerebral blood volume in humans measured by positron emission tomography. <i>Annals of Nuclear Medicine</i> , 2001, 15, 111-116. | 1.2 | 129 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 181 | Brain perfusion SPECT study with ^{99m}Tc -bicisate: Clinical pitfalls and improved diagnostic accuracy with a combination of linearization and scatter-attenuation correction. <i>Annals of Nuclear Medicine</i> , 2001, 15, 123-129. | 1.2 | 16 |
| 182 | Development of a phoswich detector for a continuous blood-sampling system. <i>IEEE Transactions on Nuclear Science</i> , 2001, 48, 1408-1411. | 1.2 | 20 |
| 183 | Regional myocardial oxygen consumption estimated by carbon-11 acetate and positron emission tomography before and after repetitive ischemia. <i>Journal of Nuclear Cardiology</i> , 2000, 7, 228-234. | 1.4 | 4 |
| 184 | Quantitation of Regional Cerebral Blood Flow Corrected for Partial Volume Effect Using O-15 Water and PET: I. Theory, Error Analysis, and Stereologic Comparison. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2000, 20, 1237-1251. | 2.4 | 70 |
| 185 | Quantitation of Regional Cerebral Blood Flow Corrected for Partial Volume Effect Using O-15 Water and PET: II. Normal Values and Gray Matter Blood Flow Response to Visual Activation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2000, 20, 1252-1263. | 2.4 | 59 |
| 186 | Regional Differences in Cerebral Vascular Response to Paco_2 Changes in Humans Measured by Positron Emission Tomography. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2000, 20, 1264-1270. | 2.4 | 121 |
| 187 | Myocardial efficiency during levosimendan infusion in congestive heart failure. <i>Clinical Pharmacology and Therapeutics</i> , 2000, 68, 522-531. | 2.3 | 206 |
| 188 | Quantitative assessment of regional myocardial blood flow using oxygen-15-labelled water and positron emission tomography: a multicentre evaluation in Japan. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2000, 27, 192-201. | 3.3 | 24 |
| 189 | Noise reduction in PET attenuation correction using non-linear Gaussian filters. <i>IEEE Transactions on Nuclear Science</i> , 2000, 47, 994-999. | 1.2 | 20 |
| 190 | 2. Essential and practical problems in attenuation correction : What can be done?. <i>Japanese Journal of Radiological Technology</i> , 2000, 56, 48-54. | 0.0 | 1 |
| 191 | Impaired free fatty acid uptake in skeletal muscle but not in myocardium in patients with impaired glucose tolerance: studies with PET and $^{14}(\text{R,S})$ -[^{18}F]fluoro-6-thia-heptadecanoic acid. <i>Diabetes</i> , 1999, 48, 1245-1250. | 0.3 | 63 |
| 192 | Myocardial Oxygen Consumption Is Unchanged but Efficiency Is Reduced in Patients With Essential Hypertension and Left Ventricular Hypertrophy. <i>Circulation</i> , 1999, 100, 2425-2430. | 1.6 | 100 |
| 193 | Coronary Flow Reserve in Young Men With Familial Combined Hyperlipidemia. <i>Circulation</i> , 1999, 99, 1678-1684. | 1.6 | 98 |
| 194 | Synthesis and autoradiographic localization of muscarinic cholinergic antagonist (+)N-[^{11}C]methyl-3-piperidyl benzilate as a potent radioligand for positron emission tomography. <i>Applied Radiation and Isotopes</i> , 1999, 50, 521-525. | 0.7 | 23 |
| 195 | Effects of scatter correction on regional distribution of cerebral blood flow using I-123-IMP and SPECT. <i>Annals of Nuclear Medicine</i> , 1999, 13, 331-336. | 1.2 | 13 |
| 196 | Effect of Intravenous Dipyridamole on Cerebral Blood Flow in Humans. <i>Stroke</i> , 1999, 30, 1616-1620. | 1.0 | 20 |
| 197 | Quantitative assessment of regional myocardial blood flow with thallium-201 and SPECT*1. <i>Journal of Nuclear Cardiology</i> , 1998, 5, 313-331. | 1.4 | 74 |
| 198 | Early impairment of coronary flow reserve in young men with borderline hypertension. <i>Journal of the American College of Cardiology</i> , 1998, 32, 147-153. | 1.2 | 195 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 199 | Insulin resistance in essential hypertension is characterized by impaired insulin stimulation of blood flow in skeletal muscle. <i>Journal of Hypertension</i> , 1998, 16, 211-219. | 0.3 | 30 |
| 200 | Coronary flow reserve is reduced in young men with IDDM. <i>Diabetes</i> , 1998, 47, 248-254. | 0.3 | 74 |
| 201 | In Vivo Low Density Lipoprotein Oxidation Relates to Coronary Reactivity in Young Men. <i>Journal of the American College of Cardiology</i> , 1997, 30, 97-102. | 1.2 | 98 |
| 202 | Influence of Cardiovascular Risk Status on Coronary Flow Reserve in Healthy Young Men. <i>American Journal of Cardiology</i> , 1997, 79, 1690-1692. | 0.7 | 60 |
| 203 | Effects of insulin on blood flow and volume in skeletal muscle of patients with IDDM: studies using [¹⁵ O]H ₂ O, [¹⁵ O]CO, and positron emission tomography. <i>Diabetes</i> , 1997, 46, 2017-2021. | 0.3 | 6 |
| 204 | Monte Carlo and experimental evaluation of accuracy and noise properties of two scatter correction methods for SPECT. <i>Physics in Medicine and Biology</i> , 1996, 41, 2481-2496. | 1.6 | 84 |
| 205 | Coronary Flow Reserve Is Impaired in Young Men With Familial Hypercholesterolemia. <i>Journal of the American College of Cardiology</i> , 1996, 28, 1705-1711. | 1.2 | 167 |
| 206 | Quantitative evaluation of neutral amino acid transport in cerebral gliomas using positron emission tomography and fluorine-18 fluorophenylalanine. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1996, 23, 889-895. | 2.2 | 22 |
| 207 | Relationship between limb and muscle blood flow in man.. <i>Journal of Physiology</i> , 1996, 496, 543-549. | 1.3 | 32 |
| 208 | A Multicenter Validation of Regional Cerebral Blood Flow Quantitation Using [¹²³ I]Iodoamphetamine and Single Photon Emission Computed Tomography. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1996, 16, 781-793. | 2.4 | 95 |
| 209 | Minimum cross-entropy reconstruction of PET images using prior anatomical information. <i>Physics in Medicine and Biology</i> , 1996, 41, 2497-2517. | 1.6 | 92 |
| 210 | A New PET Camera for Noninvasive Quantitation of Physiological Functional Parametric Images. , 1996, , 57-61. | | 26 |
| 211 | Glucose Uptake in the Chronically Dysfunctional but Viable Myocardium. <i>Circulation</i> , 1996, 93, 1658-1666. | 1.6 | 121 |
| 212 | Noninvasive Quantification of Regional Myocardial Metabolic Rate for Oxygen by Use of ¹⁵ O ₂ Inhalation and Positron Emission Tomography. <i>Circulation</i> , 1996, 94, 792-807. | 1.6 | 69 |
| 213 | Noninvasive Quantification of Regional Myocardial Metabolic Rate of Oxygen by ¹⁵ O ₂ Inhalation and Positron Emission Tomography. <i>Circulation</i> , 1996, 94, 808-816. | 1.6 | 47 |
| 214 | Role of blood flow in regulating insulin-stimulated glucose uptake in humans. Studies using bradykinin, [¹⁵ O]water, and [¹⁸ F]fluoro-deoxy-glucose and positron emission tomography.. <i>Journal of Clinical Investigation</i> , 1996, 97, 1741-1747. | 3.9 | 141 |
| 215 | Evidence for dissociation of insulin stimulation of blood flow and glucose uptake in human skeletal muscle: studies using [¹⁵ O]H ₂ O, [¹⁸ F]fluoro-2-deoxy-D-glucose, and positron emission tomography. <i>Diabetes</i> , 1996, 45, 1471-1477. | 0.3 | 8 |
| 216 | Assessment of Myocardial Viability Using ¹⁵ O-Water. <i>Developments in Cardiovascular Medicine</i> , 1996, , 241-262. | 0.1 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 217 | A Fully Automatic Multimodality Image Registration Algorithm. Journal of Computer Assisted Tomography, 1995, 19, 615-623. | 0.5 | 254 |
| 218 | Photic Stimulation Study of Changing the Arterial Partial Pressure Level of Carbon Dioxide. Journal of Cerebral Blood Flow and Metabolism, 1995, 15, 111-114. | 2.4 | 75 |
| 219 | Error analysis of table look-up method for cerebral blood flow measurement by ¹²³ I-IMP brain SPECT: Comparison with conventional microsphere model method. Annals of Nuclear Medicine, 1995, 9, 75-80. | 1.2 | 13 |
| 220 | Regional cerebral blood flow, blood volume, oxygen extraction fraction, and oxygen utilization rate in normal volunteers measured by the autoradiographic technique and the single breath inhalation method. Annals of Nuclear Medicine, 1995, 9, 15-21. | 1.2 | 106 |
| 221 | Parametric imaging in nuclear medicine. Annals of Nuclear Medicine, 1995, 9, 167-170. | 1.2 | 8 |
| 222 | Insulin increases blood volume in human skeletal muscle: studies using [¹⁵ O]CO and positron emission tomography. American Journal of Physiology - Endocrinology and Metabolism, 1995, 269, E1000-E1005. | 1.8 | 33 |
| 223 | A comparative study of three fast algorithms to estimate cerebral blood flow and distribution volume using N-isopropyl-p-(¹²³ I)iodoamphetamine and two SPECT scans. Physics in Medicine and Biology, 1995, 40, 1499-1515. | 1.6 | 5 |
| 224 | Effect of real-time weighted integration system for rapid calculation of functional images in clinical positron emission tomography. IEEE Transactions on Medical Imaging, 1995, 14, 116-121. | 5.4 | 17 |
| 225 | A method to quantitate cerebral blood flow using a rotating gamma camera and iodine-123 iodoamphetamine with one blood sampling. European Journal of Nuclear Medicine and Molecular Imaging, 1994, 21, 1072-84. | 2.2 | 81 |
| 226 | Accumulation of L-[² -(¹⁸ F)]fluorophenylalanine in peri-infarct area in a patient with acute cerebral infarction. Annals of Nuclear Medicine, 1994, 8, 213-217. | 1.2 | 2 |
| 227 | A new strategy for the assessment of viable myocardium and regional myocardial blood flow using ¹⁵ O-water and dynamic positron emission tomography.. Circulation, 1992, 86, 167-178. | 1.6 | 159 |
| 228 | Preoperative prediction of the outcome of coronary revascularization using positron emission tomography.. Circulation, 1992, 86, 1738-1742. | 1.6 | 123 |
| 229 | A convenient method for regional monoamine oxidase-a determination by [¹⁴ C]clorgyline autoradiography. International Journal of Radiation Applications and Instrumentation Part B, Nuclear Medicine and Biology, 1992, 19, 619-626. | 0.3 | 2 |
| 230 | A New Approach of Weighted Integration Technique Based on Accumulated Images Using Dynamic PET and H ¹⁵ O. Journal of Cerebral Blood Flow and Metabolism, 1991, 11, 492-501. | 2.4 | 30 |
| 231 | Noninvasive quantification of regional myocardial blood flow in coronary artery disease with oxygen-15-labeled carbon dioxide inhalation and positron emission tomography.. Circulation, 1991, 83, 875-885. | 1.6 | 259 |
| 232 | Design and evaluation of HEADTOME-IV, a whole-body positron emission tomograph. IEEE Transactions on Nuclear Science, 1989, 36, 1006-1010. | 1.2 | 84 |
| 233 | Analysis of optimum diameter of orbit of transmission line source in positron emission tomograph. IEEE Transactions on Nuclear Science, 1989, 36, 1017-1019. | 1.2 | 3 |
| 234 | The slow metabolism of L-[² - ¹⁸ F]-fluorophenylalanine in rat. Journal of Labelled Compounds and Radiopharmaceuticals, 1989, 27, 245-255. | 0.5 | 9 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 235 | Radiosynthesis of ^{15}O -labeled hydrogen peroxide. Journal of Labelled Compounds and Radiopharmaceuticals, 1989, 27, 1167-1175. | 0.5 | 6 |
| 236 | A Determination of the Regional Brain/Blood Partition Coefficient of Water Using Dynamic Positron Emission Tomography. Journal of Cerebral Blood Flow and Metabolism, 1989, 9, 874-885. | 2.4 | 71 |
| 237 | In-plane resolution characteristics for a positron emission tomograph: Headtome IV. IEEE Transactions on Nuclear Science, 1989, 36, 1003-1005. | 1.2 | 0 |
| 238 | Count rate capability considerations and results for a positron emission tomograph. IEEE Transactions on Nuclear Science, 1989, 36, 1020-1024. | 1.2 | 2 |
| 239 | Oxygen Extraction Fraction at Maximally Vasodilated Tissue in the Ischemic Brain Estimated from the Regional CO_2 Responsiveness Measured by Positron Emission Tomography. Journal of Cerebral Blood Flow and Metabolism, 1988, 8, 227-235. | 2.4 | 115 |
| 240 | Evaluation of Regional Differences of Tracer Appearance Time in Cerebral Tissues Using ^{15}O Water and Dynamic Positron Emission Tomography. Journal of Cerebral Blood Flow and Metabolism, 1988, 8, 285-288. | 2.4 | 136 |
| 241 | Measurement of absolute myocardial blood flow with ^3H and dynamic positron-emission tomography. Strategy for quantification in relation to the partial-volume effect.. Circulation, 1988, 78, 104-115. | 1.6 | 323 |
| 242 | Anatomical Adjustments in Brain Positron Emission Tomography Using CT Images. Journal of Computer Assisted Tomography, 1988, 12, 363-367. | 0.5 | 27 |
| 243 | Cerebral Blood Volume Reactivity to Hypercapnia Measured by ^{11}C -Labeled Carboxyhemoglobin and Positron Emission Tomography. , 1988, , 257-258. | | 0 |
| 244 | A System for Cerebral Blood Flow Measurement Using an ^3H Autoradiographic Method and Positron Emission Tomography. Journal of Cerebral Blood Flow and Metabolism, 1987, 7, 143-153. | 2.4 | 167 |
| 245 | A BGO Detector Unit for a Stationary High Resolution Positron Emission Tomograph. Journal of Computer Assisted Tomography, 1986, 10, 851-855. | 0.5 | 21 |
| 246 | Error Analysis of a Quantitative Cerebral Blood Flow Measurement Using ^3H Autoradiography and Positron Emission Tomography, with Respect to the Dispersion of the Input Function. Journal of Cerebral Blood Flow and Metabolism, 1986, 6, 536-545. | 2.4 | 314 |
| 247 | Design and Evaluation of a Positron Emission Tomograph. Journal of Computer Assisted Tomography, 1985, 9, 931-939. | 0.5 | 76 |
| 248 | Analyzing power as a probe for clarifying nuclear reaction mechanisms: Calculation of the two-step unbound channel contribution. Physical Review C, 1985, 31, 676-678. | 1.1 | 3 |
| 249 | Energy dependence of (p,t) analyzing powers arising from strong, sequential, two-step processes with j dependence. Physical Review C, 1985, 31, 120-132. | 1.1 | 5 |
| 250 | Drastic changes of (p,t) analyzing powers for the isotopes ^{58}Ni , ^{60}Ni , ^{62}Ni , ^{64}Ni and marked incident-energy dependence of the analyzing powers as evidence for strong, sequential, two-step processes. Physical Review C, 1984, 29, 328-331. | 1.1 | 5 |
| 251 | Construction of a simple focal-plane detector with high position resolution. Nuclear Instruments & Methods in Physics Research, 1984, 224, 432-439. | 0.9 | 8 |
| 252 | Analyzing powers and cross sections for (p, d) reactions on nuclei of $N = 50$ – 82 . Nuclear Physics A, 1983, 393, 52-68. | 0.6 | 22 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 253 | Elastic and inelastic scattering of polarized protons from the isotopes 104, 106, 108, 110Pd. Nuclear Physics A, 1983, 394, 413-427. | 0.6 | 8 |
| 254 | Difference in anomalous $0g+0g+(p,t)$ analyzing powers for the isotones and partial cross sections for spin up and down. Physical Review C, 1982, 25, 1696-1698. | 1.1 | 5 |
| 255 | Marked changes in (p,t) analyzing powers for the isotopes of Zr, Mo, Ru, and Pd and strong, sequential, two-step transfer processes in both (p,t) and (t,p) reactions. Physical Review C, 1982, 25, 1050-1053. | 1.1 | 13 |
| 256 | Strong sequential transfer processes in $0+ \rightarrow 0+ (p, t)$ reactions on Pb isotopes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1981, 100, 232-235. | 1.5 | 10 |
| 257 | Direct Experimental Evidence for Strong, Sequential, Two-Step, Transfer Processes in Allowed (p,t) Reactions. Physical Review Letters, 1981, 46, 810-812. | 2.9 | 20 |