

# Hidehiro H Iida

## List of Publications by Year in descending order

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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	Consensus Nomenclature for in vivo Imaging of Reversibly Binding Radioligands. Journal of Cerebral Blood Flow and Metabolism, 2007, 27, 1533-1539.	2.4	1,840
2	Dopaminergic neurons generated from monkey embryonic stem cells function in a Parkinson primate model. Journal of Clinical Investigation, 2005, 115, 102-109.	3.9	418
3	Measurement of absolute myocardial blood flow with H215O and dynamic positron-emission tomography. Strategy for quantification in relation to the partial-volume effect.. Circulation, 1988, 78, 104-115.	1.6	323
4	Error Analysis of a Quantitative Cerebral Blood Flow Measurement Using H <sub>2</sub> <sup>15</sup> O 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
5	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
6	A Fully Automatic Multimodality Image Registration Algorithm. Journal of Computer Assisted Tomography, 1995, 19, 615-623.	0.5	254
7	(18)F-FDG accumulation in atherosclerotic plaques: immunohistochemical and PET imaging study. Journal of Nuclear Medicine, 2004, 45, 1245-50.	2.8	244
8	Myocardial efficiency during levosimendan infusion in congestive heart failure. Clinical Pharmacology and Therapeutics, 2000, 68, 522-531.	2.3	206
9	Early impairment of coronary flow reserve in young men with borderline hypertension. Journal of the American College of Cardiology, 1998, 32, 147-153.	1.2	195
10	A System for Cerebral Blood Flow Measurement Using an H215O Autoradiographic Method and Positron Emission Tomography. Journal of Cerebral Blood Flow and Metabolism, 1987, 7, 143-153.	2.4	167
11	Coronary Flow Reserve Is Impaired in Young Men With Familial Hypercholesterolemia. Journal of the American College of Cardiology, 1996, 28, 1705-1711.	1.2	167
12	A new strategy for the assessment of viable myocardium and regional myocardial blood flow using 15O-water and dynamic positron emission tomography.. Circulation, 1992, 86, 167-178.	1.6	159
13	The association between the Val158Met polymorphism of the catechol-O-methyl transferase gene and morphological abnormalities of the brain in chronic schizophrenia. Brain, 2006, 129, 399-410.	3.7	142
14	Role of blood flow in regulating insulin-stimulated glucose uptake in humans. Studies using bradykinin, [15O]water, and [18F]fluoro-deoxy-glucose and positron emission tomography.. Journal of Clinical Investigation, 1996, 97, 1741-1747.	3.9	141
15	Evaluation of Regional Differences of Tracer Appearance Time in Cerebral Tissues Using [15O]Water and Dynamic Positron Emission Tomography. Journal of Cerebral Blood Flow and Metabolism, 1988, 8, 285-288.	2.4	136
16	Arterial fraction of cerebral blood volume in humans measured by positron emission tomography. Annals of Nuclear Medicine, 2001, 15, 111-116.	1.2	129
17	Preoperative prediction of the outcome of coronary revascularization using positron emission tomography.. Circulation, 1992, 86, 1738-1742.	1.6	123
18	Regional Differences in Cerebral Vascular Response to Paco2 Changes in Humans Measured by Positron Emission Tomography. Journal of Cerebral Blood Flow and Metabolism, 2000, 20, 1264-1270.	2.4	121

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19	Glucose Uptake in the Chronically Dysfunctional but Viable Myocardium. <i>Circulation</i> , 1996, 93, 1658-1666.	1.6	121
20	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
21	Oxygen Extraction Fraction at Maximally Vasodilated Tissue in the Ischemic Brain Estimated from the Regional CO <sub>2</sub> Responsiveness Measured by Positron Emission Tomography. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1988, 8, 227-235.	2.4	115
22	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
23	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. <i>Annals of Nuclear Medicine</i> , 1995, 9, 15-21.	1.2	106
24	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
25	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
26	Coronary Flow Reserve in Young Men With Familial Combined Hyperlipidemia. <i>Circulation</i> , 1999, 99, 1678-1684.	1.6	98
27	A Multicenter Validation of Regional Cerebral Blood Flow Quantitation Using [123I]Iodoamphetamine and Single Photon Emission Computed Tomography. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1996, 16, 781-793.	2.4	95
28	Hyperthyroidism Increases Brown Fat Metabolism in Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, E28-E35.	1.8	95
29	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
30	Endogenous dopamine release induced by repetitive transcranial magnetic stimulation over the primary motor cortex: an [11C]raclopride positron emission tomography study in anesthetized macaque monkeys. <i>Biological Psychiatry</i> , 2004, 55, 484-489.	0.7	91
31	Widespread decrease of nicotinic acetylcholine receptors in Parkinson's disease. <i>Annals of Neurology</i> , 2006, 59, 174-177.	2.8	85
32	Design and evaluation of HEADTOME-IV, a whole-body positron emission tomograph. <i>IEEE Transactions on Nuclear Science</i> , 1989, 36, 1006-1010.	1.2	84
33	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
34	A Novel Mouse Model of Subcortical Infarcts with Dementia. <i>Journal of Neuroscience</i> , 2015, 35, 3915-3928.	1.7	82
35	A method to quantitate cerebral blood flow using a rotating gamma camera and iodine-123 iodoamphetamine with one blood sampling. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1994, 21, 1072-84.	2.2	81
36	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

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37	Design and Evaluation of a Positron Emission Tomograph. <i>Journal of Computer Assisted Tomography</i> , 1985, 9, 931-939.	0.5	76
38	Rapid Quantitative Measurement of CMRO <sub>2</sub> and CBF by Dual Administration of <sup>15</sup> 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
39	Photoc Stimulation Study of Changing the Arterial Partial Pressure Level of Carbon Dioxide. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1995, 15, 111-114.	2.4	75
40	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
41	Coronary flow reserve is reduced in young men with IDDM. <i>Diabetes</i> , 1998, 47, 248-254.	0.3	74
42	A Determination of the Regional Brain/Blood Partition Coefficient of Water Using Dynamic Positron Emission Tomography. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1989, 9, 874-885.	2.4	71
43	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
44	Quantitation of Regional Cerebral Blood Flow Corrected for Partial Volume Effect Using <sup>15</sup> O 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
45	Multicenter Evaluation of a Standardized Protocol for Rest and Acetazolamide Cerebral Blood Flow Assessment Using a Quantitative SPECT Reconstruction Program and Split-Dose <sup>123</sup> I-Iodoamphetamine. <i>Journal of Nuclear Medicine</i> , 2010, 51, 1624-1631.	2.8	69
46	Noninvasive Quantification of Regional Myocardial Metabolic Rate for Oxygen by Use of <sup>15</sup> O <sub>2</sub> Inhalation and Positron Emission Tomography. <i>Circulation</i> , 1996, 94, 792-807.	1.6	69
47	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
48	A Theoretical Model of Oxygen Delivery and Metabolism for Physiologic Interpretation of Quantitative Cerebral Blood Flow and Metabolic Rate of Oxygen. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003, 23, 1314-1323.	2.4	67
49	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
50	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
51	Impaired free fatty acid uptake in skeletal muscle but not in myocardium in patients with impaired glucose tolerance: studies with PET and <sup>14</sup> (R,S)-[ <sup>18</sup> F]fluoro-6-thia-heptadecanoic acid. <i>Diabetes</i> , 1999, 48, 1245-1250.	0.3	63
52	Long-term effect of motor cortical repetitive transcranial magnetic stimulation induces. <i>Annals of Neurology</i> , 2004, 56, 77-85.	2.8	61
53	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
54	Quantitation of Regional Cerebral Blood Flow Corrected for Partial Volume Effect Using <sup>15</sup> O 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

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55	Combined PET/MRI: Multi-modality Multi-parametric Imaging Is Here. <i>Molecular Imaging and Biology</i> , 2015, 17, 595-608.	1.3	56
56	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
57	High amyloid $\beta$ 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
58	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
59	Development of a GSO detector assembly for a continuous blood sampling system. <i>IEEE Transactions on Nuclear Science</i> , 2003, 50, 70-73.	1.2	48
60	Noninvasive Quantification of Regional Myocardial Metabolic Rate of Oxygen by $^{15}\text{O}$ $^{222}\text{Rn}$ Inhalation and Positron Emission Tomography. <i>Circulation</i> , 1996, 94, 808-816.	1.6	47
61	Quantification of nicotinic acetylcholine receptors in human brain using [ $^{123}\text{I}$ ]5-I-A-85380 SPET. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2003, 30, 1620-1629.	3.3	45
62	Quantitative mapping of basal and vasoreactive cerebral blood flow using split-dose $^{123}\text{I}$ -iodoamphetamine and single photon emission computed tomography. <i>NeuroImage</i> , 2006, 33, 1126-1135.	2.1	45
63	Absolute quantitation of myocardial blood flow with $^{201}\text{Tl}$ 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
64	Acceleration of Monte Carlo-based scatter compensation for cardiac SPECT. <i>Physics in Medicine and Biology</i> , 2008, 53, N277-N285.	1.6	45
65	Parametric imaging of myocardial blood flow with $^{15}\text{O}$ -water and PET using the basis function method. <i>Journal of Nuclear Medicine</i> , 2005, 46, 1219-24.	2.8	45
66	Rapid Quantitative <i>rCBF</i> and <i>rCMRO<sub>2</sub></i> Measurements from a Single <i>PET</i> Scan with Sequential Administration of Dual $^{15}\text{O}$ -Labeled Tracers. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 440-448.	2.4	41
67	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
68	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
69	Development of Injectable $^{15}\text{O}$ Oxygen and Estimation of Rat OEF. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003, 23, 671-676.	2.4	38
70	Evaluation of a commercial PET tomograph-based system for the quantitative assessment of <i>rCBF</i> , <i>rOEF</i> and <i>rCMRO<sub>2</sub></i> by using sequential administration of $^{15}\text{O}$ -labeled compounds. <i>Annals of Nuclear Medicine</i> , 2002, 16, 317-327.	1.2	37
71	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
72	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

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73	Reduction in camera-specific variability in [123I]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
74	Dysregulation of RNF213 promotes cerebral hypoperfusion. <i>Scientific Reports</i> , 2018, 8, 3607.	1.6	34
75	Insulin increases blood volume in human skeletal muscle: studies using [15O]CO and positron emission tomography. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1995, 269, E1000-E1005.	1.8	33
76	Separation of input function for rapid measurement of quantitative CMRO <sub>2</sub> 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
77	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
78	Relationship between limb and muscle blood flow in man.. <i>Journal of Physiology</i> , 1996, 496, 543-549.	1.3	32
79	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
80	Delayed Postischemic Treatment With Fluvastatin Improved Cognitive Impairment After Stroke in Rats. <i>Stroke</i> , 2007, 38, 3251-3258.	1.0	32
81	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
82	A New Approach of Weighted Integration Technique Based on Accumulated Images Using Dynamic PET and H <sup>15</sup> O. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1991, 11, 492-501.	2.4	30
83	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
84	Non-invasive estimation of hepatic blood perfusion from H <sub>2</sub> 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
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	Effects of patient movement on measurements of myocardial blood flow and viability in resting 15O-water PET studies. <i>Journal of Nuclear Cardiology</i> , 2012, 19, 524-533.	1.4	29
87	Evaluation of penetration and scattering components in conventional pinhole SPECT: phantom studies using Monte Carlo simulation. <i>Physics in Medicine and Biology</i> , 2003, 48, 995-1008.	1.6	28
88	Implantation study of small-caliber $\alpha$ -biotube vascular grafts in a rat model. <i>Journal of Artificial Organs</i> , 2013, 16, 59-65.	0.4	28
89	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
90	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

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91	Anatomical Adjustments in Brain Positron Emission Tomography Using CT Images. <i>Journal of Computer Assisted Tomography</i> , 1988, 12, 363-367.	0.5	27
92	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
93	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
94	Validity of using a 3-dimensional PET scanner during inhalation of $^{15}\text{O}$ -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
95	A New PET Camera for Noninvasive Quantitation of Physiological Functional Parametric Images. , 1996, , 57-61.		26
96	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
97	Heart and brain circulation and $\text{CO}_2$ in healthy men. <i>Acta Physiologica</i> , 2008, 193, 303-308.	1.8	25
98	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
99	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
100	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
101	Activation of the Anterior Cingulate Gyrus by 'Green Odor': A Positron Emission Tomography Study in the Monkey. <i>Chemical Senses</i> , 2003, 28, 565-572.	1.1	24
102	Parametric renal blood flow imaging using $^{15}\text{O}$ -H <sub>2</sub> O and PET. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009, 36, 683-691.	3.3	24
103	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
104	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
105	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
106	Synthesis and autoradiographic localization of muscarinic cholinergic antagonist (+)N-[ $^{11}\text{C}$ ]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
107	Non-invasive estimation of hepatic glucose uptake from $^{18}\text{F}$ 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
108	A Physiologic Model for Recirculation Water Correction in $\text{CMRO}_2$ Assessment with $^{15}\text{O}$ - $^{18}\text{O}$ Inhalation PET. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 355-364.	2.4	23

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109	Use of T1-weighted/T2-weighted magnetic resonance ratio to elucidate changes due to amyloid $\beta^2$ accumulation in cognitively normal subjects. <i>NeuroImage: Clinical</i> , 2017, 13, 209-214.	1.4	23
110	Analyzing powers and cross sections for (p, d) reactions on nuclei of $N = 50 \leq Z \leq 82$ . <i>Nuclear Physics A</i> , 1983, 393, 52-68.	0.6	22
111	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
112	Preserved Acetazolamide Reactivity in Lacunar Patients with Severe White-Matter Lesions: $^{15}\text{O}$ -Labeled Gas and $\text{H}_2\text{O}$ Positron Emission Tomography Studies. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 844-850.	2.4	22
113	Low amyloid $\beta^2$ 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
114	A BGO Detector Unit for a Stationary High Resolution Positron Emission Tomograph. <i>Journal of Computer Assisted Tomography</i> , 1986, 10, 851-855.	0.5	21
115	Direct Experimental Evidence for Strong, Sequential, Two-Step, Transfer Processes in Allowed (p,t) Reactions. <i>Physical Review Letters</i> , 1981, 46, 810-812.	2.9	20
116	Effect of Intravenous Dipyridamole on Cerebral Blood Flow in Humans. <i>Stroke</i> , 1999, 30, 1616-1620.	1.0	20
117	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
118	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
119	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
120	Reproducibility of Cerebral Blood Flow Assessment using a Quantitative SPECT Reconstruction Program and Split-Dose $^{123}\text{I}$ -Iodoamphetamine in Institutions with Different $^{13}\text{I}$ -Cameras and Collimators. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 1757-1764.	2.4	20
121	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
122	Estimation of Oxygen Metabolism in a Rat Model of Permanent Ischemia Using Positron Emission Tomography with Injectable $^{15}\text{O}$ -O <sub>2</sub> . <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2006, 26, 1577-1583.	2.4	19
123	Instrumentation and Methodology for Quantitative Pre-Clinical Imaging Studies. <i>Current Pharmaceutical Design</i> , 2001, 7, 1945-1966.	0.9	18
124	Effect of real-time weighted integration system for rapid calculation of functional images in clinical positron emission tomography. <i>IEEE Transactions on Medical Imaging</i> , 1995, 14, 116-121.	5.4	17
125	Quantitative evaluation of changes in binding potential with a simplified reference tissue model and multiple injections of [ $^{11}\text{C}$ ]raclopride. <i>NeuroImage</i> , 2009, 47, 1639-1648.	2.1	17
126	Use of [ $^{11}\text{C}$ ]acetate and [ $^{15}\text{O}$ ]O <sub>2</sub> 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

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127	Brain perfusion SPECT study with $^{99m}\text{Tc}$ -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
128	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
129	Sequential PET estimation of cerebral oxygen metabolism with spontaneous respiration of $^{15}\text{O}$ -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
130	Early Detection of Cerebral Infarction After Focal Ischemia Using a New MRI Indicator. <i>Molecular Neurobiology</i> , 2019, 56, 658-670.	1.9	16
131	Verification of a semi-automated MRI-guided technique for non-invasive determination of the arterial input function in $^{15}\text{O}$ -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
132	Delayed atrophy in posterior cingulate cortex and apathy after stroke. <i>International Journal of Geriatric Psychiatry</i> , 2015, 30, 566-572.	1.3	15
133	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
134	Regional Myocardial Metabolic Rate of Oxygen Measured by $\text{O}_2$ - $^{15}\text{O}$ Inhalation and Positron Emission Tomography in Patients with Cardiomyopathy. <i>Clinical Nuclear Medicine</i> , 2001, 26, 41-49.	0.7	14
135	Optimal scan time of oxygen- $^{15}\text{O}$ -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
136	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
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