

CITATION REPORT

List of articles citing

Tomographic measurement of local cerebral glucose metabolic rate in humans with (F-18)2-fluoro-2-deoxy-D-glucose: validation of method

DOI: 10.1002/ana.410060502
Annals of Neurology, 1979, 6, 371-88.

Source: <https://exaly.com/paper-pdf/14079580/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
2199	Incorporating frame-to-frame coupling in simultaneous reconstruction of dynamic image sequences in PET.		1
2198	Positron Emission Tomography Scanning: Principles and Applications. 1989 , 105-153		
2197	A computer-assisted image-processing system for the analysis of autoradiographs of cerebral metabolic activity. 1980 , 4, 121-35		4
2196	Physiologic tomography: a new means for the non-invasive measurement of myocardial metabolism, blood flow and function. 1980 , 5, 209-15		5
2195	Effects of stroke on local cerebral metabolism and perfusion: mapping by emission computed tomography of 18FDG and 13NH3. <i>Annals of Neurology</i> , 1980 , 8, 47-60	9.4	352
2194	Epileptic patterns of local cerebral metabolism and perfusion in humans determined by emission computed tomography of 18FDG and 13NH3. <i>Annals of Neurology</i> , 1980 , 8, 348-60	9.4	371
2193	Treatment of intractable temporal lobe-limbic epilepsy (complex partial seizures) by temporal lobectomy. <i>Annals of Neurology</i> , 1980 , 8, 455-9	9.4	65
2192	Recent advances in the diagnosis of cerebrovascular disease. 1980 , 78, 49-59		
2191	Noninvasive determination of local cerebral metabolic rate of glucose in man. 1980 , 238, E69-82		185
2190	Pattern evoked potentials in human albinism. Evidence of two different topographical asymmetries reflecting abnormal retino-cortical projections. 1980 , 48, 265-86		30
2189	Regional myocardial blood flow, metabolism and function assessed noninvasively with positron emission tomography. 1980 , 46, 1269-77		58
2188	Special characteristics and potential of single photon emission computed tomography in the brain. 1980 , 10, 335-44		10
2187	Emission tomography of the heart. 1980 , 10, 355-73		42
2186	Transverse section imaging of soft tissue tumors and peripheral vascular disease. 1980 , 10, 392-9		8
2185	Positron computed tomography studies of cerebral glucose metabolism in man: theory and application in nuclear medicine. 1981 , 11, 32-49		86
2184	A method for the simultaneous estimation of regional rates of glucose influx and phosphorylation in rat brain using radiolabeled 2-deoxyglucose. 1981 , 221, 319-30		56
2183	A study of the kinetic behaviour of glucose based on simultaneous estimates of influx and phosphorylation in brain regions of rats in different physiological states. 1981 , 221, 331-42		63

2182	Metabolism of [14C]fluorodeoxyglucose by rat brain in vivo. 1981 , 28, 2071-6		28
2181	Positron emission tomography of the central nervous system. 1981 , 6, 120-122		
2180	The deoxyglucose method for the measurement of local glucose utilization and the mapping of local functional activity in the central nervous system. 1981 , 22, 287-333		50
2179	Cerebral extraction of N-13 ammonia: its dependence on cerebral blood flow and capillary permeability -- surface area product. 1981 , 12, 607-19		80
2178	A New Tomograph for Quantitative Positron Emission Computed Tomography of the Brain. 1981 , 28, 99-103		30
2177	Design of the Neuro-ECAT: A High-Resolution, High Efficiency Positron Tomograph for Imaging the Adult Head or Infant Torso. 1981 , 28, 1736-1740		19
2176	Correlation of criteria used for localizing epileptic foci in patients considered for surgical therapy of epilepsy. <i>Annals of Neurology</i> , 1981 , 9, 215-24	9.4	258
2175	L-DopaResistant parkinsonism due to dopa decarboxylase deficiency?. <i>Annals of Neurology</i> , 1981 , 10, 64-65	9.4	5
2174	Rearranged equation for determining local cerebral glucose utilization. <i>Annals of Neurology</i> , 1981 , 10, 65	9.4	
2173	FDG positron emission computed tomography in a study of aphasia. <i>Annals of Neurology</i> , 1981 , 10, 173-83	9.4	155
2172	3-[11C]-methyl-D-glucose, a potential agent for regional cerebral glucose utilization studies: Synthesis, chromatography and tissue distribution in mice. 1981 , 18, 855-863		34
2171	The role of nuclear procedures in the diagnosis of intracranial disease. 1981 , 4, 105-22		2
2170	Transport of nutrients and hormones through the blood-brain barrier. 1981 , 20, 246-254		67
2169	Localization of functional activity in the central nervous system by measurement of glucose utilization with radioactive deoxyglucose. 1981 , 1, 7-36		493
2168	Error sensitivity of fluorodeoxyglucose method for measurement of cerebral metabolic rate of glucose. 1981 , 1, 391-401		85
2167	Effect of ischemia on quantification of local cerebral glucose metabolic rate in man. 1981 , 1, 37-51		141
2166	Nutrients for the brain: problems in supply. 1981 , 5, 117-32		41
2165	Metabolic mapping of functional activity in human subjects with the [18F]fluorodeoxyglucose technique. 1981 , 212, 678-80		167

2164	Metabolic mapping of the brain's response to visual stimulation: studies in humans. 1981 , 211, 1445-8	223
2163	Positron imaging in ischemic stroke disease using compounds labeled with oxygen 15. Initial results of clinicophysiologic correlations. 1981 , 38, 537-43	167
2162	In vivo quantitation of regional myocardial blood flow by positron-emission computed tomography. 1981 , 63, 1248-58	82
2161	Positron tomography and nuclear magnetic resonance imaging. 1982 , 215, 619-26	81
2160	Patterns of human local cerebral glucose metabolism during epileptic seizures. 1982 , 218, 64-6	223
2159	New techniques in the study of local brain activity in animal and man. 1982 , 55, 331-47	2
2158	Tomographic mapping of human cerebral metabolism: auditory stimulation. 1982 , 32, 921-37	364
2157	Energy-requiring cell functions in the ischemic brain. Their critical supply and possible inhibition in protective therapy. 1982 , 56, 482-97	329
2156	Cerebral glucography with positron tomography. Use in normal subjects and in patients with schizophrenia. 1982 , 39, 251-9	425
2155	Assessment of regional myocardial ischemia by positron-emission computed tomography. 1982 , 103, 588-97	61
2154	Visual evoked potentials and positron emission tomographic mapping of regional cerebral blood flow and cerebral metabolism: can the neuronal potential generators be visualized?. 1982 , 54, 243-56	78
2153	Positron emission tomography in a case of experimental focal epilepsy in the baboon. 1982 , 54, 87-90	4
2152	Calculation of cerebral glucose phosphorylation from brain uptake of glucose analogs in vivo: a re-examination. 1982 , 257, 237-74	358
2151	Positron brain imaging--normal patterns and asymmetries. 1982 , 1, 286-93	4
2150	Dementia in the elderly: the silent epidemic. 1982 , 97, 231-41	91
2149	Positron Emission Tomography Tracer Techniques. 1982 , 419-436	3
2148	Recent developments in the diagnosis and therapy of epilepsy. 1982 , 97, 584-98	12
2147	A Four Ring Positron Camera System for Emission Tomography of the Brain. 1982 , 29, 539-543	66

2146	New methods to determine the CNS effects of antigeriatric compounds: EEG topography and glucose use. 1982 , 2, 489-496		22
2145	Cerebral metabolism and atrophy in Huntington's disease determined by 18FDG and computed tomographic scan. <i>Annals of Neurology</i> , 1982 , 12, 425-34	9.4	410
2144	Tomographic mapping of human cerebral metabolism: sensory deprivation. <i>Annals of Neurology</i> , 1982 , 12, 435-44	9.4	112
2143	Interictal cerebral glucose metabolism in partial epilepsy and its relation to EEG changes. <i>Annals of Neurology</i> , 1982 , 12, 510-7	9.4	278
2142	Pathological findings underlying focal temporal lobe hypometabolism in partial epilepsy. <i>Annals of Neurology</i> , 1982 , 12, 518-28	9.4	321
2141	Production of 18F-labelled 2-deoxy-2-fluoro-D-glucose and preliminary imaging results. 1982 , 7, 379-86		4
2140	On "lumped constant" nomograms. 1982 , 39, 1774-6		2
2139	A simplified in vivo autoradiographic strategy for the determination of regional cerebral blood flow by positron emission tomography: theoretical considerations and validation studies in the rat. 1982 , 2, 89-98		48
2138	Study of cerebral function with positron computed tomography. 1982 , 2, 113-62		315
2137	Effects of human aging on patterns of local cerebral glucose utilization determined by the [18F]fluorodeoxyglucose method. 1982 , 2, 163-71		283
2136	Use of 2-deoxy-D[1-11C]glucose for the determination of local cerebral glucose metabolism in humans: variation within and between subjects. 1982 , 2, 307-19		115
2135	Substrate utilization and brain development. 1982 , 2, 394-407		143
2134	Kinetics of transport and phosphorylation of 2-fluoro-2-deoxy-D-glucose in rat brain. 1983 , 40, 160-7		97
2133	Quantitative measurement of local cerebral blood flow in humans by positron computed tomography and 15O-water. 1983 , 3, 141-53		163
2132	Cerebral glucose metabolism as a function of age in man: influence of the rate constants in the fluorodeoxyglucose method. 1983 , 3, 250-3		66
2131	A comparison of the cerebral uptake and metabolism of labeled glucose and deoxyglucose in vivo in rats. 1983 , 8, 661-85		46
2130	75,77Br- and 123I-analogues of D-glucose as potential tracers for glucose utilisation in heart and brain. 1983 , 8, 237-41		31
2129	[18F]fluorodeoxyglucose positron emission tomography in refractory complex partial seizures. <i>Annals of Neurology</i> , 1983 , 14, 429-37	9.4	219

2128	In vivo disturbance of the oxidative metabolism of glucose in human cerebral gliomas. <i>Annals of Neurology</i> , 1983 , 14, 614-26	9.4	182
2127	Disturbance of oxidative metabolism of glucose in recent human cerebral infarcts. <i>Annals of Neurology</i> , 1983 , 14, 627-37	9.4	105
2126	A rapid synthesis of 2-deoxy-2-fluoro-d-glucose from xenon difluoride suitable for labelling with 18F. 1983 , 20, 157-162		37
2125	Quality control procedures in the preparation of 2-deoxy-D-[1-11C] glucose radiopharmaceutical. 1983 , 20, 417-427		10
2124	New high-yield synthesis of 18F-labelled 2-deoxy-2-fluoro-D-glucose. 1983 , 34, 893-6		52
2123	C-11 palmitate for the noninvasive evaluation of regional myocardial fatty acid metabolism with positron-computed tomography. IV. In vivo evaluation of acute demand-induced ischemia in dogs. 1983 , 106, 736-50		82
2122	Comparison of metabolic rates, language, and memory in subcortical aphasias. 1983 , 19, 33-47		111
2121	Functional localization of epileptogenic lesions. 1983 , 6, 60-65		25
2120	Methods in neurobiology, vols 1 and 2. 1983 , 6, 65-66		
2119	Production of Some Medically Important Short-Lived Neutron-Deficient Radioisotopes of Halogens. 1983 , 34, 25-40		73
2118	Down's syndrome in adults: brain metabolism. 1983 , 221, 781-3		57
2117	Barbiturate-enhanced detection of brain lesions by carbon-14-labeled 2-deoxyglucose autoradiography. 1983 , 219, 879-81		37
2116	Positron emission tomography. 1983 , 6, 249-67		92
2115	Identification and differentiation of resting myocardial ischemia and infarction in man with positron computed tomography, 18F-labeled fluorodeoxyglucose and N-13 ammonia. 1983 , 67, 766-78		349
2114	Coupling between regional blood flow and oxygen utilization in the normal human brain. A study with positron tomography and oxygen 15. 1983 , 40, 230-6		163
2113	The fluorodeoxyglucose 18F scan in Alzheimer's disease and multi-infarct dementia. 1983 , 40, 711-4		333
2112	Imaging dopamine receptors in the human brain by positron tomography. 1983 , 221, 1264-6		669
2111	Cerebral Circulation. 1983 , 137-182		49

2110	Cerebral glucose utilization, as measured with positron emission tomography in 21 resting healthy men between the ages of 21 and 83 years. 1983 , 106 (Pt 3), 761-75	206
2109	History of medical physics. 1983 , 36, 26-33	1
2108	Local cerebral metabolism during partial seizures. 1983 , 33, 400-13	182
2107	Developmental Language Disorders: Nosologic Considerations. 1983 , 155-184	87
2106	Positron Emission Tomography the Technique and Its Applications to the Study of the Cardiovascular System. 1983 , 1, 501-520	3
2105	Positron computed tomography for studies of myocardial and cerebral function. 1983 , 98, 339-59	55
2104	Positron emission tomography and nuclear magnetic resonance. 1983 , 31, 441-55	
2103	Cerebral glucose metabolism in Parkinson's disease. 1984 , 11, 169-73	57
2102	PET scanning of human brain tumors. 1984 , 27, 154-69	8
2101	Determination of regional glucose metabolism in patients with ischaemic infarct by positron emission tomography. 1984 , 315-322	1
2100	Untersuchungen über den regionalen Glukosestoffwechsel mit der Positronen-Emissions-Tomographie (PET) bei Patienten mit ischämischen Infarkt. 1984 , 339-346	
2099	Neurologic Applications of Positron Emission Tomography. 1984 , 2, 853-871	0
2098	Cerebral gliomas studied with positron emission tomography. 1984 , 101-110	
2097	Positron Emission Tomography (PET): A Threat to EEG?. 1984 , 24, 25-31	1
2096	Alterations in regional myocardial metabolism, perfusion, and wall motion in Duchenne muscular dystrophy studied by radionuclide imaging. 1984 , 69, 33-42	142
2095	Positron emission tomography study of regional glucose metabolism in cerebral ischemia--topographic and kinetic aspects. 1984 , 62, 253-62	
2094	Positron Emission Tomography in Aphasia. 1984 , 4, 169-173	2
2093	Local cerebral glucose utilisation in treated and untreated patients with Parkinson's disease. 1984 , 47, 824-30	77

2092	Determination of regional cerebral blood flow in patients with cerebral infarction. Use of fluoromethane labeled with fluorine 18 and positron emission tomography. 1984 , 41, 262-7		56
2091	The Diagnosis of Alzheimer-Type Dementia. 1984 , 252, 2750		8
2090	Regional brain glucose metabolism in chronic schizophrenia. A positron emission transaxial tomographic study. 1984 , 41, 293-300		184
2089	Positron emission tomography. 1984 , 24, 385-403		1
2088	Cerebral metabolic relationships for selected brain regions in healthy adults. 1984 , 4, 1-7		110
2087	Local interrelationships of cerebral oxygen consumption and glucose utilization in normal subjects and in ischemic stroke patients: a positron tomography study. 1984 , 4, 140-9		218
2086	Regional kinetic constants and cerebral metabolic rate for glucose in normal human volunteers determined by dynamic positron emission tomography of [18F]-2-fluoro-2-deoxy-D-glucose. 1984 , 4, 212-23		186
2085	Alternative approach to single-scan estimation of cerebral glucose metabolic rate using glucose analogs, with particular application to ischemia. 1984 , 4, 35-40		89
2084	Intercorrelations of glucose metabolic rates between brain regions: application to healthy males in a state of reduced sensory input. 1984 , 4, 484-99		234
2083	Cerebral metabolic relationships for selected brain regions in Alzheimer's, Huntington's, and Parkinson's diseases. 1984 , 4, 500-6		70
2082	A kinetic evaluation of blood-brain barrier permeability in human brain tumors with [68Ga]EDTA and positron computed tomography. 1984 , 4, 507-15		70
2081	An improved approach for measurement of regional cerebral rate constants in the deoxyglucose method with positron emission tomography. 1984 , 4, 555-63		24
2080	A quantitative model for the measurement of cerebral vascular extraction fraction in vivo following intravenous injection: simulation studies. 1984 , 4, 564-73		4
2079	Automated synthesis system for production of 2-deoxy-2-[18F]fluoro-D-glucose with computer control. 1984 , 35, 445-454		35
2078	Patterns of local cerebral glucose utilization determined in Parkinson's disease by the [18F]fluorodeoxyglucose method. <i>Annals of Neurology</i> , 1984 , 15, 419-24	9.4	162
2077	Diagnostic imaging of herpes simplex virus encephalitis using a radiolabeled antiviral drug: autoradiographic assessment in an animal model. <i>Annals of Neurology</i> , 1984 , 15, 548-58	9.4	36
2076	Modeling metabolic processes in the brain in vivo. <i>Annals of Neurology</i> , 1984 , 15 Suppl, S1-11	9.4	49
2075	Emission tomographic measurement of local cerebral blood flow in humans by an in vivo autoradiographic strategy. <i>Annals of Neurology</i> , 1984 , 15 Suppl, S12-8	9.4	20

2074	Human sensory stimulation and deprivation: positron emission tomographic results and strategies. <i>Annals of Neurology</i> , 1984 , 15 Suppl, S50-60	9.4	57
2073	Patterns of cerebral glucose utilization in Parkinson's disease and Huntington's disease. <i>Annals of Neurology</i> , 1984 , 15 Suppl, S119-25	9.4	115
2072	The effect of normal aging on patterns of local cerebral glucose utilization. <i>Annals of Neurology</i> , 1984 , 15 Suppl, S133-7	9.4	72
2071	Positron emission tomographic image measurement in schizophrenia and affective disorders. <i>Annals of Neurology</i> , 1984 , 15 Suppl, S157-65	9.4	111
2070	Regional cortical dysfunction in Alzheimer's disease as determined by positron emission tomography. <i>Annals of Neurology</i> , 1984 , 15 Suppl, S170-4	9.4	155
2069	Criteria for the tracer kinetic measurement of cerebral protein synthesis in humans with positron emission tomography. <i>Annals of Neurology</i> , 1984 , 15 Suppl, S192-202	9.4	55
2068	Cortical abnormalities in Alzheimer's disease. <i>Annals of Neurology</i> , 1984 , 16, 649-54	9.4	329
2067	Positron emission tomography. 1984 , 7, 233-52		7
2066	Positron emission tomography in the study of cerebral tumours. 1984 , 7, 253-8		8
2065	Synthesis and biodistribution of 2-deoxy-2-[18F]fluoro-D-glucopyranosyl [18F]fluoride in mice. 1984 , 9, 77-80		3
2064	Correlations of glucose metabolism and structural damage to language function in aphasia. 1984 , 21, 187-207		44
2063	Positron emission tomography of the brain: measurement of regional cerebral function in man. 1984 , 86, 1-11		7
2062	Positron emission tomography of the brain: new possibilities for the investigation of human cerebral pathophysiology. 1984 , 23, 1-38		30
2061	Glucose utilization in the auditory system: cochlear dysfunctions and species differences. 1984 , 78, 43-7		16
2060	Positron emission tomography in the study of human tumors. 1984 , 14, 324-41		81
2059	Comparison of 2- and 3-18F-fluoro-deoxy-D-glucose for studies of tissue metabolism. 1984 , 11, 15-22		17
2058	Kinetics of binding to opiate receptors in vivo predicted from in vitro parameters. 1984 , 305, 1-11		61
2057	Anteroposterior gradients in cerebral glucose use in schizophrenia and affective disorders. 1984 , 41, 1159-66		280

2056	The use and impact of positron computed tomography scanning in epilepsy. 1984 , 25 Suppl 2, S86-104	45
2055	Comparative measurement of regional blood flow, oxygen and glucose utilisation in soft tissue tumour of rabbit with positron imaging. 1985 , 58, 637-43	9
2054	The Pathophysiology of Human Cerebral Ischaemia: A New Perspective Obtained with Positron Tomography. 1985 ,	
2053	Subcortical dementia. Frontal cortex hypometabolism detected by positron tomography in patients with progressive supranuclear palsy. 1985 , 108 (Pt 3), 785-99	214
2052	Positron emission tomography and its application to the study of cerebrovascular disease in man. 1985 , 16, 361-76	201
2051	Experimental studies on myocardial glucose metabolism of rats with 18F-2-fluoro-2-deoxy-D-glucose. 1985 , 10, 341-5	22
2050	In vivo determination of the kinetic parameters of glucose transport in the human brain using 11C-methyl-D-glucose (CMG) and dynamic positron emission tomography (dPET). 1985 , 11, 97-106	22
2049	Synthesis of 2-deoxy-2-[82Br]bromo-D-mannose and related compounds and their biodistributions in mice. 1985 , 11, 252-6	6
2048	Metabolic fluxes between [14C]2-deoxy-D-glucose and [14C]2-deoxy-D-glucose-6-phosphate in brain in vivo. 1985 , 44, 567-73	48
2047	Quantification of glucose utilization in an experimental brain tumor model by the deoxyglucose method. 1985 , 5, 108-14	25
2046	Estimation of local cerebral glucose utilization by positron emission tomography of [18F]2-fluoro-2-deoxy-D-glucose: a critical appraisal of optimization procedures. 1985 , 5, 115-25	165
2045	Comparative regional analysis of 2-fluorodeoxyglucose and methylglucose uptake in brain of four stroke patients. With special reference to the regional estimation of the lumped constant. 1985 , 5, 163-78	156
2044	Glucose metabolic rate kinetic model parameter determination in humans: the lumped constants and rate constants for [18F]fluorodeoxyglucose and [11C]deoxyglucose. 1985 , 5, 179-92	373
2043	Positron emission tomography in schizophrenic patients with and without neuroleptic medication. 1985 , 5, 201-6	152
2042	Regional alterations in glucose consumption and metabolite levels during postischemic recovery in cat brain. 1985 , 5, 502-11	27
2041	Positron emission tomography: Use of short-lived radionuclides for neurological research. 1985 , 10-11, 1072-1076	1
2040	On the stereoselectivity of the reaction of [18F]acetylthioflorite with glucals. 1985 , 36, 111-115	38
2039	Tumor localization with 18F-2-fluoro-2-deoxy-D-glucose: comparative autoradiography, glucose 6-phosphatase histochemistry, and histology of renally implanted sarcoma of the rat. 1985 , 185, 87-94	29

2038	The deoxyglucose method adapted for studies of glucose metabolism in the early chick embryo. 1985 , 123, 111-6	2
2037	Abstracts (Continue in Part II). 1985 , 1985, 789-839	
2036	The syntheses of 1-[11C]-D-glucose and related compounds for the measurement of brain glucose metabolism. 1985 , 22, 171-182	22
2035	In vivo measurement of brain tumor pH using [11C]DMO and positron emission tomography. <i>Annals of Neurology</i> , 1985 , 17, 70-9	9-4 59
2034	Local cerebral metabolic rate for glucose during petit mal absences. <i>Annals of Neurology</i> , 1985 , 17, 121-8	9-4 111
2033	Positron emission tomography in movement disorders. 1985 , 12, 6-10	8
2032	Nonpulsatile cardiopulmonary bypass disrupts the flow-metabolism couple in the brain. 1985 , 90, 570-579	51
2031	Positron emission tomography in brain tumour imaging. 1985 , 29, 50-6	1
2030	Positron emission tomography: human brain function and biochemistry. 1985 , 228, 799-809	391
2029	Positron emission computed tomography. 1985 , 240-270	1
2028	Brain metabolism in autism. Resting cerebral glucose utilization rates as measured with positron emission tomography. 1985 , 42, 448-55	147
2027	On the Stereoselectivity of Fluorine and Acetylhypofluorite Additions to Glycals: The Synthesis of 2-Deoxy-2-Fluorohexoses. 1985 , 4, 489-512	19
2026	Positron emission tomography with [18F]fluorodeoxyglucose differentiates normal pressure hydrocephalus from Alzheimer-type dementia. 1985 , 48, 1091-6	76
2025	Positron computed tomography and its applications in the young. 1985 , 5, 140S-149S	4
2024	Current assumptions behind the use of PET scanning for measuring glucose utilization in brain. 1985 , 8, 96-99	17
2023	Alzheimer's disease: anterior-posterior and lateral hemispheric alterations in cortical glucose utilization. 1985 , 53, 235-40	165
2022	Regional cerebral glucose metabolism in man during wakefulness, sleep, and dreaming. 1985 , 327, 362-6	189
2021	18Fluorodeoxyglucose PET in schizophrenia. 1985 , 16, 317-29	35

2020	Positron emission tomography in oncology--the Massachusetts General Hospital experience. 1985 , 15, 201-9	9
2019	Studies on regional cerebral haematocrit and blood flow in patients with cerebral tumours using positron emission tomography. 1986 , 31, 267-76	19
2018	Clinical and acoustical variability in hypokinetic dysarthria. 1986 , 19, 347-66	116
2017	Positron emission tomography imaging of regional cerebral glucose metabolism. 1986 , 16, 2-34	93
2016	Imaging neurotransmitters and their receptors in living human brain by positron emission tomography. 1986 , 9, 241-245	11
2015	[Study of cerebral metabolism and blood flow in partial complex epilepsy and status epilepticus in man using positron emission tomography]. 1986 , 16, 199-216	9
2014	Imaging Performance of a Dynamic Positron Emission Tomograph: Positome IIIp. 1986 , 5, 183-98	20
2013	Metabolic imaging in hemianopsia using positron emission tomography with 18F-deoxyfluoroglucose. 1986 , 101, 310-9	15
2012	Scintigraphy with [18F]2-fluoro-2-deoxy-D-glucose of cancer patients. 1986 , 13, 7-12	3
2011	Metabolism of 2-[18F]fluoro-2-deoxyglucose in tumor-bearing rats: chromatographic and enzymatic studies. 1986 , 13, 577-81	8
2010	Compulsive thalamic self-stimulation: a case with metabolic, electrophysiologic and behavioral correlates. 1986 , 27, 277-290	27
2009	Molecules labeled with positron emitting halogens. 1986 , 13, 109-18	4
2008	Neuroimaging and Dementia. 1986 , 4, 341-354	11
2007	Neuroimaging. 1986 , 4, 645-668	6
2006	PET scanning: can it help resolve management issues in cerebral ischemic disease?. 1986 , 17, 803-7	6
2005	Ventilation and Brain Metabolism. 1986 , 141-161	
2004	Chemie von Herz und Hirn von außen betrachtet. 1986 , 34, 1057-1065	
2003	[Cerebral glucose metabolism in presenile dementia of the Alzheimer type--follow-up of therapy with muscarinergic choline agonists]. 1986 , 54, 364-73	27

2002	Age differences in intercorrelations between regional cerebral metabolic rates for glucose. <i>Annals of Neurology</i> , 1986 , 19, 60-7	9.4	89
2001	Cerebral mapping of apraxia in Alzheimer's disease by positron emission tomography. <i>Annals of Neurology</i> , 1986 , 19, 139-43	9.4	64
2000	Magnetic resonance imaging in intractable partial epilepsy: correlative studies. <i>Annals of Neurology</i> , 1986 , 20, 57-62	9.4	171
1999	PET scan investigations of Huntington's disease: cerebral metabolic correlates of neurological features and functional decline. <i>Annals of Neurology</i> , 1986 , 20, 296-303	9.4	253
1998	Cerebral metabolism of glucose in benign hereditary chorea. 1986 , 1, 33-44		36
1997	Potential of NMR and PET for determining tumor metabolism. 1986 , 12, 1033-9		8
1996	The use of positron emission tomography in pion radiotherapy. 1986 , 12, 1867-71		10
1995	Factors affecting the purity of 2-deoxy-2-fluoro-D-glucose synthesized from the reactions of glycals with acetyl hypofluorite. 1986 , 31, 255-263		11
1994	Features of positron emission tomography as a probe for myocardial chemistry. 1986 , 12 Suppl, S2-10		4
1993	2-Deoxy-2-[18F]fluoro-D-galactose: a new tracer for the measurement of galactose metabolism in the liver by positron emission tomography. 1986 , 11, 444-8		11
1992	Measurement of absolute bone blood flow by positron emission tomography. 1986 , 15, 198-200		17
1991	Studies on the relationship between cerebral glucose transport and phosphorylation using 2-deoxyglucose. 1986 , 6, 708-16		46
1990	Effect of vascular activity in the determination of rate constants for the uptake of 18F-labeled 2-fluoro-2-deoxy-D-glucose: error analysis and normal values in older subjects. 1986 , 6, 724-38		53
1989	Effects of temporal sampling, glucose metabolic rates, and disruptions of the blood-brain barrier on the FDG model with and without a vascular compartment: studies in human brain tumors with PET. 1986 , 6, 170-83		168
1988	Glucose transport across the blood-brain barrier in normal human subjects and patients with cerebral tumours studied using [11C]3-O-methyl-D-glucose and positron emission tomography. 1986 , 6, 230-9		47
1987	Effect of phenytoin on human cerebral glucose metabolism. 1986 , 6, 315-20		62
1986	Tomographic mapping of kinetic rate constants in the fluorodeoxyglucose model using dynamic positron emission tomography. 1986 , 6, 447-54		36
1985	Neuroreceptor assay with positron emission tomography: equilibrium versus dynamic approaches. 1986 , 6, 515-21		142

1984	Noninvasive in vivo demonstration of 2-fluoro-2-deoxy-D-glucose metabolism beyond the hexokinase reaction in rat brain by 19F nuclear magnetic resonance spectroscopy. 1986 , 46, 198-201	54
1983	Functional imaging of the heart: methods, limitations, and examples from gated blood pool scintigraphy. 1986 , 28, 319-48	15
1982	Maturation changes in cerebral function in infants determined by 18FDG positron emission tomography. 1986 , 231, 840-3	586
1981	Effects of thalamic stroke on energy metabolism of the cerebral cortex. A positron tomography study in man. 1986 , 109 (Pt 6), 1243-59	220
1980	Local cerebral glucose utilisation in chronic alcoholics: a positron tomographic study. 1986 , 49, 1165-70	81
1979	Local cerebral glucose metabolic rates in obsessive-compulsive disorder. A comparison with rates in unipolar depression and in normal controls. 1987 , 44, 211-8	682
1978	Neuroanatomy and physiology of aphasia: Evidence from positron emission tomography. 1987 , 1, 3-33	74
1977	Metabolic correlates of linguistic functions in a patient with crossed aphasia: A case study. 1987 , 1, 415-421	14
1976	Dominantly inherited Alzheimer's disease: cerebral glucose metabolism. 1987 , 50, 752-7	42
1975	Positron emission tomography in cases of chorea with different underlying diseases. 1987 , 50, 1284-7	46
1974	The Differential Diagnosis of Depression. 1987 , 258, 1368	44
1973	Oxidative metabolism and glycolysis in benign brain tumors. 1987 , 67, 336-40	10
1972	Kinetic data analysis with a noisy input function. 1987 , 32, 1569-79	54
1971	Hemodynamic and metabolic effects of cerebral revascularization. 1987 , 66, 529-35	54
1970	Reduced cerebral glucose metabolism in asymptomatic subjects at risk for Huntington's disease. 1987 , 316, 357-62	273
1969	Circulatory and Metabolic Correlates of Brain Function in Normal Humans. 1987 , 643-674	30
1968	Regional cerebral metabolic rate for glucose and cerebrospinal fluid monoamine metabolites in subacute sclerosing panencephalitis. 1987 , 152, 103-9	
1967	Cerebral metabolism in chronic ocular ischemia. 1987 , 195, 156-60	

1966	Simultaneous in vivo measurement of lumped constant and rate constants in experimental cerebral ischemia using F-18 FDG. 1987 , 18, 158-67	22
1965	Complex partial seizures: cerebellar metabolism. 1987 , 28, 319-23	45
1964	Stereotaxic biopsy and positron emission tomography correlation of cerebral gliomas. 1987 , 27, 87-92	17
1963	Cerebral glucose metabolic rates in normal human females versus normal males. 1987 , 21, 237-45	134
1962	Proton decoupled fluorine nuclear magnetic resonance spectroscopy in situ. 1987 , 51, 681-5	29
1961	Brain glucose metabolism in children with the autistic syndrome: positron tomography analysis. 1987 , 9, 581-7	61
1960	Current status and prospects of new radionuclides and radiopharmaceuticals for cardiovascular nuclear medicine. 1987 , 17, 145-81	25
1959	[13N]-beta-phenethylamine ([13N]PEA): a prototype tracer for measurement of MAO-B activity in heart. 1987 , 36, 3671-5	8
1958	Does deoxyglucose uptake in the brain reflect energy metabolism?. 1987 , 36, 1853-61	45
1957	Midbrain reticular stimulation produces patterns of metabolic activation and suppression in the cerebellum and vestibular nuclei: a 2-deoxyglucose study. 1987 , 412, 275-84	12
1956	Measurement of glucose and 2-deoxy-2-[18F]fluoro-D-glucose transport and phosphorylation rates in myocardium using dual-tracer kinetic experiments. 1987 , 216, 128-32	17
1955	Positron emission tomography studies of basal ganglia and somatosensory cortex neuroleptic drug effects: differences between normal controls and schizophrenic patients. 1987 , 22, 479-94	151
1954	Glucose utilization in the temporal cortex of affectively ill patients: positron emission tomography. 1987 , 22, 545-53	132
1953	Positron emission tomography assessment of effects of benzodiazepines on regional glucose metabolic rate in patients with anxiety disorder. 1987 , 40, 2393-400	74
1952	Correlations between glucose metabolic rates in brain regions of healthy male adults at rest and during language stimulation. 1987 , 32, 1-18	28
1951	The contribution of PET scanning to understanding metabolism and drug actions in the basal ganglia. 1987 , 32, 77-87	2
1950	[Study of regional cerebral glucose metabolism, in man, while awake or asleep, by positron emission tomography]. 1987 , 17, 71-7	11
1949	Dysfunction in a prefrontal substrate of sustained attention in schizophrenia. 1987 , 40, 2031-9	99

1948	Positron emission tomography studies of normal aging: a replication of PET III and 18-FDG using PET VI and 11-CDG. 1987 , 8, 319-23		73
1947	Applications of PET in the brain. 1987 , 11, 165-72		2
1946	No-carrier-added (NCA) (+/-)-N-(3-[18F]fluoropropyl)-N-normetazocine-synthesis and PET studies in a baboon. 1987 , 14, 119-22		
1945	In vivo measurement of [18F]fluorodeoxyglucose rate constants in rat brain by external coincidence counting. 1987 , 22, 593-9		25
1944	Cerebral glucose metabolism in five patients with Lennox-Gastaut syndrome. 1987 , 3, 12-8		30
1943	Double-label autoradiographic deoxyglucose method for sequential measurement of regional cerebral glucose utilization. 1987 , 22, 601-19		26
1942	Metabolism of beta-methyl[1-11C]heptadecanoic acid in canine myocardium. 1987 , 14, 579-85		6
1941	Cerebral glucose and dopa metabolism in movement disorders. 1987 , 14, 448-51		13
1940	Remote metabolic effects of cerebrovascular lesions: magnetic resonance and positron tomography imaging. 1987 , 29, 1-6		38
1939	Positron emission tomographic evaluation of radiochemotherapeutic effect on regional cerebral hemocirculation and metabolism in patients with gliomas. 1987 , 5, 277-85		30
1938	Cerebral glucose utilization in pediatric neurological disorders determined by positron emission tomography. 1987 , 13, 292-6		26
1937	Regional cerebral metabolic rate for glucose in subacute sclerosing panencephalitis. 1987 , 146, 288-9		6
1936	Noninvasive evaluation of effects of an aldose reductase inhibitor in rat brain by 19F FDG NMR spectroscopy. 1987 , 4, 366-71		14
1935	The Lennox-Gastaut syndrome: metabolic subtypes determined by 2-deoxy-2[18F]fluoro-D-glucose positron emission tomography. <i>Annals of Neurology</i> , 1987 , 21, 4-13	9-4	124
1934	Cerebral glucose metabolism in the Lennox-Gastaut syndrome. <i>Annals of Neurology</i> , 1987 , 21, 14-21	9-4	65
1933	Reduced cerebral glucose metabolism and increased brain capillary permeability following high-dose methotrexate chemotherapy: a positron emission tomographic study. <i>Annals of Neurology</i> , 1987 , 21, 59-63	9-4	53
1932	The effect of spontaneous reperfusion on metabolic function in early human cerebral infarcts. <i>Annals of Neurology</i> , 1987 , 21, 279-89	9-4	118
1931	Recovery of vision after ischemic lesions: positron emission tomography. <i>Annals of Neurology</i> , 1987 , 21, 444-50	9-4	43

1930	Effect of generalized spike-and-wave discharge on glucose metabolism measured by positron emission tomography. <i>Annals of Neurology</i> , 1987 , 21, 458-64	9.4	80
1929	Positron emission tomography studies of cerebral glucose metabolism in chronic partial epilepsy. <i>Annals of Neurology</i> , 1987 , 22, 480-6	9.4	159
1928	Positron emission tomography study of human brain functional development. <i>Annals of Neurology</i> , 1987 , 22, 487-97	9.4	1273
1927	Lowered cerebral glucose utilization in amyotrophic lateral sclerosis. <i>Annals of Neurology</i> , 1987 , 22, 580-6	9.4	140
1926	Differences in cerebral blood flow and glucose utilization in vegetative versus locked-in patients. <i>Annals of Neurology</i> , 1987 , 22, 673-82	9.4	152
1925	The metabolic pathology of the AIDS dementia complex. <i>Annals of Neurology</i> , 1987 , 22, 700-6	9.4	211
1924	Recommendation for a practical production of [2- ¹⁸ F]fluoro-2-deoxy-D-glucose. 1987 , 38, 605-610		36
1923	Metabolism of 2-deoxy-2-[¹⁸ F]fluoro-D-glucose: presence of 2-deoxy-2-[¹⁸ F]fluoro-D-glucose 6-phosphate in plasma of mice, rats, and humans. 1987 , 1, 51-4		2
1922	Time-dependent changes of lumped and rate constants in the deoxyglucose method in experimental cerebral ischemia. 1987 , 7, 640-8		20
1921	Scaled subprofile model: a statistical approach to the analysis of functional patterns in positron emission tomographic data. 1987 , 7, 649-58		183
1920	Cortical hypometabolism and its recovery following nucleus basalis lesions in baboons: a PET study. 1987 , 7, 812-7		33
1919	A study of the single compartment tracer kinetic model for the measurement of local cerebral blood flow using ¹⁵ O-water and positron emission tomography. 1987 , 7, 13-20		25
1918	Measurement of glucose utilisation with [¹⁸ F]2-fluoro-2-deoxy-D-glucose: a comparison of different analytical methods. 1987 , 7, 161-72		69
1917	The influence of tissue heterogeneity on results of fitting nonlinear model equations to regional tracer uptake curves: with an application to compartmental models used in positron emission tomography. 1987 , 7, 214-29		39
1916	Human cerebral glucose metabolism determined by positron emission tomography: a revisit. 1987 , 7, 427-32		26
1915	Deoxyglucose-6-phosphate stability in vivo and the deoxyglucose method. 1987 , 49, 1941-60		24
1914	Deoxyglucose-6-Phosphate Stability In Vivo and the Deoxyglucose Method: Response to Comments of Hawkins and Miller. 1987 , 49, 1949-1960		34
1913	Beta-endorphin and adrenocorticotropin response to supramaximal treadmill exercise in trained and untrained males. 1987 , 130, 619-25		82

1912	Cerebellar and brainstem hypometabolism in olivopontocerebellar atrophy detected with positron emission tomography. <i>Annals of Neurology</i> , 1988 , 23, 223-30	9.4	92
1911	Mu-opiate receptors measured by positron emission tomography are increased in temporal lobe epilepsy. <i>Annals of Neurology</i> , 1988 , 23, 231-7	9.4	226
1910	The metabolic anatomy of paraneoplastic cerebellar degeneration. <i>Annals of Neurology</i> , 1988 , 23, 533-40	9.4	32
1909	Positron emission tomographic scan investigations of Huntington's disease: cerebral metabolic correlates of cognitive function. <i>Annals of Neurology</i> , 1988 , 23, 541-6	9.4	158
1908	Speech disorders in olivopontocerebellar atrophy correlate with positron emission tomography findings. <i>Annals of Neurology</i> , 1988 , 23, 547-54	9.4	69
1907	Motor dysfunction in olivopontocerebellar atrophy is related to cerebral metabolic rate studied with positron emission tomography. <i>Annals of Neurology</i> , 1988 , 24, 414-9	9.4	52
1906	Fluorodeoxyglucose imaging: a method to assess the proliferative activity of human cancer in vivo. Comparison with DNA flow cytometry in head and neck tumors. 1988 , 61, 1776-81		189
1905	Early and late stage positron emission tomography (PET) studies on the haemocirculation and metabolism of seemingly normal brain tissue in patients with gliomas following radiochemotherapy. 1988 , 93, 110-5		20
1904	PET in clinical oncology. 1988 , 7, 119-42		51
1903	Non-stationary spatial filtering and accelerated curve fitting for parametric imaging with dynamic PET. 1988 , 14, 477-84		26
1902	A relationship between metabolism in frontal lobes and cerebellum in normal subjects studied with PET. 1988 , 8, 774-82		37
1901	Single-scan Bayes estimation of cerebral glucose metabolic rate: comparison with non-Bayes single-scan methods using FDG PET scans in stroke. 1988 , 8, 418-25		10
1900	Measurement of the ratio of cerebral oxygen consumption to glucose utilization by positron emission tomography: its consistency with the values determined by the Kety-Schmidt method in normal volunteers. 1988 , 8, 426-32		25
1899	Reproducibility of cerebral glucose metabolic measurements in resting human subjects. 1988 , 8, 502-12		115
1898	Anatomical-functional correlation using an adjustable MRI-based region of interest atlas with positron emission tomography. 1988 , 8, 513-30		187
1897	Comparison of cerebral glucose metabolic rates measured with fluorodeoxyglucose and glucose labeled in the 1, 2, 3-4, and 6 positions using double label quantitative digital autoradiography. 1988 , 8, 575-85		37
1896	Brain slice glucose utilization. 1988 , 51, 1783-96		29
1895	Description and performance of a prototype PET system for small volume imaging. 1988 , 269, 392-403		11

1894	19F 2-FDG NMR imaging of the brain in rat. 1988 , 6, 633-5	11
1893	Regional cerebral glucose metabolism in identical twins. 1988 , 26, 615-21	11
1892	High metabolic activity in the visual cortex of early blind human subjects. 1988 , 446, 369-73	170
1891	Cortical glucose metabolic rate correlates of abstract reasoning and attention studied with positron emission tomography. 1988 , 12, 199-217	551
1890	The effect of neuroleptics on dysfunction in a prefrontal substrate of sustained attention in schizophrenia. 1988 , 43, 1141-50	38
1889	A case of juvenile metachromatic leukodystrophy--the third case in Japan. 1988 , 10, 50-3	2
1888	Brain glucose utilization in childhood Huntington's disease studied with positron emission tomography (PET). 1988 , 10, 47-50	15
1887	Cognitive and brain imaging measures of Alzheimer's disease. 1988 , 9, 69-86	44
1886	The cerebral metabolism of glucose and oxygen measured with positron tomography in patients with mitochondrial diseases. 1988 , 111 (Pt 5), 1009-24	96
1885	Evidence for a caudate role in aphasia from FDG positron computed tomography. 1988 , 2, 33-43	11
1884	Brain glucose metabolism in thalamic syndrome. 1988 , 51, 427-8	24
1883	Subcortical structures in aphasia. An analysis based on (F-18)-fluorodeoxyglucose, positron emission tomography, and computed tomography. 1988 , 45, 1229-34	75
1882	Regional brain glucose utilization in adenylosuccinase-deficient patients measured by positron emission tomography. 1988 , 24, 238-42	35
1881	Effect of D-penicillamine treatment on brain metabolism in Wilson's disease: a case study. 1988 , 51, 947-9	18
1880	PET determination of regional cerebral glucose metabolism in alcohol-dependent men and healthy controls using 11C-glucose. 1988 , 78, 234-41	62
1879	Antiepileptic drugs and cerebral glucose metabolism. 1988 , 29 Suppl 2, S48-55	90
1878	Generalized decrease in brain glucose metabolism during fasting in humans studied by PET. 1989 , 256, E805-10	14
1877	Glucose uptake by gliomas after treatment. A positron emission tomographic study. 1989 , 46, 1302-7	78

1876	Brain activity and blood flow velocity changes: a transcranial Doppler study. 1989 , 47, 91-102		54
1875	Spontaneous language production in mild aphasia: Relationship to left prefrontal glucose hypometabolism. 1989 , 3, 527-537		2
1874	Reduction of prefrontal cortex glucose metabolism common to three types of depression. 1989 , 46, 243-50		1047
1873	Cerebral glucose metabolism in Wernicke's, Broca's, and conduction aphasia. 1989 , 46, 27-34		105
1872	Cerebrovascular disease: use of fluorodeoxyglucose. 1989 , 9, 293-300		
1871	Minimisation of parameter estimation errors in dynamic PET: choice of scanning schedules. 1989 , 34, 895-908		30
1870	Positron emission tomography using pyruvate-1-11C in two cases of mitochondrial encephalomyopathy. 1989 , 3, 103-9		4
1869	Glucose utilization of ischemic hippocampal slices. 1989 , 28, 23-34		33
1868	Rats with mammary cancer treated with toremifene and interferon: morphometry and needle aspiration biopsy for determination of ATP and 14C-fluorodeoxyglucose content. 1989 , 189, 113-9		4
1867	Positron emission tomographical studies of 1-11C-acetoacetate, 2-18F-fluoro-deoxy-D-glucose, and L-1-11C-tyrosine uptake by cat brain with an experimental lesion. 1989 , 99, 166-72		5
1866	Glucose metabolism and rate constants in Alzheimer's disease examined with dynamic positron emission tomography scan. 1989 , 80, 307-13		23
1865	Cerebral blood flow and metabolism in sleep. 1989 , 80, 481-91		25
1864	A convenient synthesis of D-[1-11C]glucopyranose and D-[1-11C]galactopyranose using diborane. 1989 , 27, 1-7		11
1863	Positron tomography demonstrates frontal lobe hypometabolism in progressive supranuclear palsy. <i>Annals of Neurology</i> , 1989 , 25, 131-9	9-4	114
1862	The effect of carbamazepine on cerebral glucose metabolism. <i>Annals of Neurology</i> , 1989 , 25, 516-20	9-4	89
1861	Decreased glucose utilization in the striatum and frontal lobe in probable striatonigral degeneration. <i>Annals of Neurology</i> , 1989 , 26, 239-47	9-4	110
1860	Positron emission tomography in manganese intoxication. <i>Annals of Neurology</i> , 1989 , 26, 647-51	9-4	131
1859	Seashore Rhythm Test performance in patients with unilateral temporal lobe damage. 1989 , 45, 614-8		12

1858	[18F]fluorodeoxyglucose scintigraphy in diagnosis and follow up of treatment in advanced breast cancer. 1989 , 15, 61-6	109
1857	Determination of the deoxyglucose and glucose phosphorylation ratio and the lumped constant in rat brain and a transplantable rat glioma. 1989 , 53, 37-44	33
1856	Simultaneous in vivo monitoring of cerebral deoxyglucose and deoxyglucose-6-phosphate by ¹³ C[1H] nuclear magnetic resonances spectroscopy. 1989 , 53, 1620-8	19
1855	Use of PET methods for measurement of cerebral energy metabolism and hemodynamics in cerebrovascular disease. 1989 , 9, 723-42	149
1854	Glycolysis-induced discordance between glucose metabolic rates measured with radiolabeled fluorodeoxyglucose and glucose. 1989 , 9, 774-85	129
1853	Why the deoxyglucose method has proven so useful in cerebral activation studies: the unappreciated prevalence of stimulation-induced glycolysis. 1989 , 9, 911-3	33
1852	Measurement of blood-brain hexose transport with dynamic PET: comparison of [18F]2-fluoro-2-deoxyglucose and [11C]O-methylglucose. 1989 , 9, 104-10	10
1851	Refinement of the kinetic model of the 2-[14C]deoxyglucose method to incorporate effects of intracellular compartmentation in brain. 1989 , 9, 290-303	37
1850	Deoxyglucose kinetics in a rat brain tumor. 1989 , 9, 315-22	26
1849	The deoxyglucose method in the ferret brain. I. Methodological considerations. 1989 , 9, 35-42	9
1848	The effect of nimodipine on the evolution of human cerebral infarction studied by PET. 1989 , 9, 523-34	124
1847	Kinetic analysis of central [11C]raclopride binding to D2-dopamine receptors studied by PET--a comparison to the equilibrium analysis. 1989 , 9, 696-708	389
1846	Positron emission tomography and its role in metabolic imaging. 1989 , 64, 725-7	1
1845	Imaging of rats with mammary cancer with two 2-deoxy-2-[18F]fluoro-D-hexoses. 1989 , 16, 449-53	2
1844	Diagnostic interventions in nuclear medicine. 1989 , 18, 1-37	1
1843	Sturge-Weber syndrome: a study of cerebral glucose utilization with positron emission tomography. 1989 , 114, 244-53	128
1842	Cerebral glucose consumption measured by PET in patients with and without psychiatric symptoms of Huntington's disease. 1989 , 29, 361-2	27
1841	Myoclonus epilepsy and ragged-red fibres (MERRF). 1. A clinical, pathological, biochemical, magnetic resonance spectrographic and positron emission tomographic study. 1989 , 112 (Pt 5), 1231-60	199

1840	Positron emission tomography to study the effect of eye closure and optic nerve damage on human cerebral glucose metabolism. 1989 , 108, 147-52	27
1839	Monoclonal antibodies and neuroblastoma. 1989 , 19, 282-94	17
1838	Obsessive-compulsive and other behavioural changes with bilateral basal ganglia lesions. A neuropsychological, magnetic resonance imaging and positron tomography study. 1989 , 112 (Pt 3), 699-725	359
1837	Regional comparison of the lumped constants of deoxyglucose and fluorodeoxyglucose. 1989 , 4, 95-104	23
1836	Positron emission tomography in epilepsy: correlative study. 1989 , 43, 349-53	
1835	Concordance and discordance between PET images and foci of scalp EEG. 1989 , 43, 379-83	
1834	Increased temporal lobe glucose use in chronic schizophrenic patients. 1989 , 25, 835-51	119
1833	Time course of effects of unilateral lesions of the nucleus basalis of Meynert on glucose utilization by the cerebral cortex. Positron tomography in baboons. 1989 , 112 (Pt 2), 435-55	72
1832	Positron emission tomography in the study of neuropsychiatric disorders [Its uses and potential. 1989 , 6, 81-88	
1831	Anatomical-Functional Correlative Analysis Of The Human Brain Using Three Dimensional Imaging Systems. 1989 ,	41
1830	Hemodynamic and metabolic effects of cerebral arteriovenous malformations studied by positron emission tomography. 1989 , 20, 890-8	43
1829	Is it possible to predict the outcome of radiation therapy of head and neck cancer?. 1990 , 29, 521-4	
1828	Changed pattern of regional glucose metabolism during yoga meditative relaxation. 1990 , 23, 182-7	97
1827	Subcortical metabolic alterations in partial epilepsy. 1990 , 31, 145-55	74
1826	Cerebral glucose utilization during sleep in Landau-Kleffner syndrome: a PET study. 1990 , 31, 778-83	86
1825	Behavioral and subjective effects of ethanol: relationship to cerebral metabolism using PET. 1990 , 14, 482-9	69
1824	Effects of anterior corpus callosum section on cortical glucose utilization in baboons. A sequential positron emission tomography study. 1990 , 113 (Pt 4), 937-51	32
1823	Glucose metabolic rate in normals and schizophrenics during the Continuous Performance Test assessed by positron emission tomography. 1990 , 156, 216-27	269

1822	Effects of co-dergocrine mesylate (Hydergine) in multi-infarct dementia as evaluated by positron emission tomography. 1990 , 162, 225-33		8
1821	Specific binding of [3H]pyrilamine to histamine H1 receptors in guinea pig brain in vivo: determination of binding parameters by a kinetic four-compartment model. 1990 , 55, 409-20		17
1820	A new method to measure brain serotonin synthesis in vivo. I. Theory and basic data for a biological model. 1990 , 10, 1-12		157
1819	Effects of unilateral lesion of the nucleus basalis of Meynert on brain glucose utilization in callosotomized baboons: a PET study. 1990 , 10, 618-23		14
1818	Michaelis-Menten constraints improved cerebral glucose metabolism and regional lumped constant measurements with [18F]fluorodeoxyglucose. 1990 , 10, 180-9		81
1817	Deoxyglucose lumped constant estimated in a transplanted rat astrocytic glioma by the hexose utilization index. 1990 , 10, 190-8		16
1816	Positron emission tomographic measurements of cerebral glucose utilization using [1-11C]D-glucose. 1990 , 10, 467-83		52
1815	Kinetic model of 2-deoxyglucose metabolism using brain slices. 1990 , 10, 510-26		16
1814	Comparison of I-123 IMP and Tc-99m HMPAO SPECT studies with PET in dementia. 1990 , 4, 75-82		16
1813	Evaluation of radiolabeled acetate and fluoroacetate as potential tracers of cerebral oxidative metabolism. 1990 , 5, 45-56		25
1812	PET studies of dopamine receptor distribution using [18F]fluoroethylspiperone: findings in disorders related to the dopaminergic system. 1990 , 81, 195-213		44
1811	Reproducibility of cerebral glucose utilization measured by PET and the [18F]-2-fluoro-2-deoxy-d-glucose method in resting, healthy human subjects. 1990 , 16, 267-73		43
1810	Brain imaging techniques in the diagnosis of dementia. 1990 , 1, 3-19		3
1809	Cerebral diaschisis in patients with malignant glioma. 1990 , 8, 153-61		19
1808	Infantile spasms: I. PET identifies focal cortical dysgenesis in cryptogenic cases for surgical treatment. <i>Annals of Neurology</i> , 1990 , 27, 406-13	9.4	531
1807	Mania after brain injury: neuroradiological and metabolic findings. <i>Annals of Neurology</i> , 1990 , 27, 652-9	9.4	200
1806	Selective hypometabolism in the inferior frontal lobe in depressed patients with Parkinson's disease. <i>Annals of Neurology</i> , 1990 , 28, 57-64	9.4	345
1805	A comparison of neurological, metabolic, structural, and genetic evaluations in persons at risk for Huntington's disease. <i>Annals of Neurology</i> , 1990 , 28, 614-21	9.4	100

1804	Cerebellar and frontal hypometabolism in alcoholic cerebellar degeneration studied with positron emission tomography. <i>Annals of Neurology</i> , 1990 , 28, 775-85	9.4	160
1803	Synthesis of N-(^{18}F)fluoro-m-tolyl)piperazine. A potent serotonin agonist. 1990 , 28, 1441-1448		21
1802	Cortical glucose metabolism in Parkinson's and Alzheimer's disease. 1990 , 27, 561-8		39
1801	The metabolic anatomy of Parkinson's disease: complementary [^{18}F]fluorodeoxyglucose and [^{18}F]fluorodopa positron emission tomographic studies. 1990 , 5, 203-13		192
1800	Perfusion imaging with NMR contrast agents. 1990 , 14, 249-65		981
1799	A large scale manual production of [^{18}F]FDG using a synthetic unit made of sterile disposable components and operated by a Master Slave Manipulator. 1990 , 41, 29-34		15
1798	An improved synthesis of carbon-11 labeled acetoacetic acid and an evaluation of its potential for the investigation of cerebral pathology by positron emission tomography. 1990 , 41, 1209-16		6
1797	Positron Emission Tomography in the Study of Brain Metabolism in Psychiatric and Neuropsychiatric Disorders. 1990 , 157, 82-95		20
1796	^{18}F Fluorodeoxyglucose positron emission tomography studies in presumed Alzheimer cases, including 13 serial scans. 1990 , 17, 1-11		72
1795	Cortical and subcortical glucose consumption measured by PET in patients with Huntington's disease. 1990 , 113 (Pt 5), 1405-23		248
1794	Neuroimaging in epilepsy: contribution of MRI, PET and SPECT. 1990 , 10, 349-56		9
1793	Mathematical simplification of a PET blood flow model. 1990 , 9, 172-6		7
1792	Chemistry and developments of fluorinated carbohydrates. 1990 , 48, 91-277		127
1791	Change in hexose distribution volume and fractional utilization of [^{18}F]-2-deoxy-2-fluoro-D-glucose in brain during acute hypoglycemia in humans. 1990 , 39, 175-80		18
1790	Brain glucose metabolism in noninsulin-dependent diabetes mellitus: a study in Pima Indians using positron emission tomography during hyperinsulinemia with euglycemic glucose clamp. 1990 , 71, 1602-10		26
1789	Slowly progressive aphasia: three cases with language, memory, CT and PET data. 1990 , 53, 987-93		83
1788	Is slowly progressive aphasia actually a new clinical entity?. 1990 , 4, 485-509		20
1787	Reduced regional cerebral metabolic rate for glucose at the terminal stage in a case of late infantile neuronal ceroid lipofuscinosis. 1990 , 5, 98-100		6

1786	Cocaine-induced reduction of glucose utilization in human brain. A study using positron emission tomography and [fluorine 18]-fluorodeoxyglucose. 1990 , 47, 567-74	253
1785	PET and P300 relationships in early Alzheimer's disease. 1990 , 11, 471-6	32
1784	Anxiety and cerebral cortical metabolism in normal persons. 1990 , 35, 49-60	20
1783	Positron emission tomography--a new technique for studies of the central nervous system. 1990 , 157, 305-33	14
1782	The effect of focal cerebral atrophy in positron emission tomographic studies of aging and dementia. 1990 , 17, 797-804	12
1781	Glucose utilization in human visual cortex is abnormally elevated in blindness of early onset but decreased in blindness of late onset. 1990 , 510, 115-21	188
1780	Cerebral glucose utilization during sleep-wake cycle in man determined by positron emission tomography and [18F]2-fluoro-2-deoxy-D-glucose method. 1990 , 513, 136-43	239
1779	Quantifying interictal metabolic activity in human temporal lobe epilepsy. 1990 , 10, 748-57	149
1778	Comparison of regional brain metabolism in bulimia nervosa and affective disorder assessed with positron emission tomography. 1990 , 19, 153-62	57
1777	Quantitative evaluation of regional substrate metabolism in the human heart by positron emission tomography. 1991 , 18, 101-11	72
1776	Positron emission tomography as a research tool in the investigation of psychiatric and psychological disorders. 1991 , 5, 187-203	6
1775	Regional cerebral glucose metabolism in clinical subtypes of cerebral palsy. 1991 , 7, 415-25	50
1774	The status of radiopharmaceutical research. 1991 , 18, iii-vi	3
1773	Importance of pharmacologic control in PET studies: effects of thiothixene and haloperidol on cerebral glucose utilization in chronic schizophrenia. 1991 , 40, 115-24	41
1772	Stability of resting deoxyglucose metabolic values in PET studies of schizophrenia. 1991 , 40, 11-20	26
1771	The anatomy of single word processing: Activation studies with positron emission tomography. 1991 , 6, 273-284	2
1770	Grammatical comprehension, aphasic syndromes and neuroimaging. 1991 , 6, 301-318	13
1769	Positron emission tomography applied in the study of pituitary adenomas. 1991 , 14, 509-28	31

1768	Brain-behavior relationships in aphasia studied by positron emission tomography. 1991 , 620, 153-64	8
1767	Coronal reconstruction images of glucose metabolism in Alzheimer's disease. 1991 , 106, 128-34	20
1766	PET studies of cortical diaschisis in patients with motor hemi-neglect. 1991 , 104, 135-42	104
1765	Changes in glucose metabolism in dementia of the Alzheimer type compared with depression: a preliminary report. 1991 , 40, 195-202	24
1764	Positron Emission Tomography in Newborn Infants. 1991 , 18, 549-562	10
1763	Isotopic and nuclear analytical techniques in biological systems: A critical survey. 1991 , 63, 1269-1270	3
1762	Uptake of 2-deoxy, 2-(18F) fluoro-D-glucose in bladder cancer: animal localization and initial patient positron emission tomography. 1991 , 145, 279-83	46
1761	Imaging of renal cancer using positron emission tomography with 2-deoxy-2-(18F)-fluoro-D-glucose: pilot animal and human studies. 1991 , 146, 1470-4	64
1760	Metabolic patterns associated with non-specific magnetic resonance imaging abnormalities in temporal lobe epilepsy. 1991 , 114 (Pt 6), 2363-83	48
1759	Neuro-imaging and positron emission tomography of congenital homonymous hemianopsia. 1991 , 111, 413-8	11
1758	Regional Cerebral Glucose Consumption Measured by Positron Emission Tomography in Patients with Unilateral Thalamic Infarction. 1991 , 1, 327-336	18
1757	Temporal and hippocampal metabolic rate during an olfactory memory task assessed by positron emission tomography in patients with dementia of the Alzheimer type and controls. Preliminary studies. 1991 , 48, 840-7	65
1756	An assessment of cerebral blood flow and metabolism after fleroxacin therapy. 1991 , 31, 151-7	7
1755	Positron-Emission Tomographic Scanning of Primary and Metastatic Breast Carcinoma with the Radiolabeled Glucose Analogue 2-Deoxy-2-[18F]Fluoro-d-Glucose. 1991 , 324, 200-200	13
1754	Synthesis of [1-11C]D-glucose and [1-11C]D-mannose from on-line produced [11C]nitromethane. 1991 , 42, 877-83	16
1753	Interictal cerebral metabolism in partial epilepsies of neocortical origin. 1991 , 10, 174-82	95
1752	Rapid feasibility studies of tracers for positron emission tomography: high-resolution PET in small animals with kinetic analysis. 1991 , 11, 926-31	56
1751	Computed tomography, magnetic resonance imaging and positron emission tomography with [18F]fluorodeoxyglucose in multiple system atrophy and pure autonomic failure. 1991 , 1, 27-36	34

1750	Mapping the functional neuroanatomy of the intact human brain with brain work imaging. 1991 , 29, 539-55	108
1749	Transcortical aphasia. Importance of the nonspeech dominant hemisphere in language repetition. 1991 , 114 (Pt 3), 1409-27	58
1748	Serotonin synthesis rate measured in living dog brain by positron emission tomography. 1991 , 56, 153-62	84
1747	Somatosensory Discrimination of Shape: Tactile Exploration and Cerebral Activation. 1991 , 3, 481-492	148
1746	Comparison of the effect of temafloxacin, ciprofloxacin, or placebo on cerebral blood flow, glucose, and oxygen metabolism in healthy subjects by means of positron emission tomography. 1991 , 50, 165-71	10
1745	Louis Sokoloff at three score and ten. 1991 , 11, 885-9	4
1744	Model of kinetic behavior of deoxyglucose in heterogeneous tissues in brain: a reinterpretation of the significance of parameters fitted to homogeneous tissue models. 1991 , 11, 10-24	59
1743	Absolute quantitation in neurological PET: do we need it?. 1991 , 11, A3-16	12
1742	Precision and accuracy considerations of physiological quantitation in PET. 1991 , 11, A45-50	27
1741	MRI-PET correlation in three dimensions using a volume-of-interest (VOI) atlas. 1991 , 11, A69-78	208
1740	Effects of percent thresholding on the extraction of [18F]fluorodeoxyglucose positron emission tomographic region-of-interest data. 1991 , 11, A83-8	28
1739	Diminished glucose transport in Alzheimer's disease: dynamic PET studies. 1991 , 11, 323-30	147
1738	Altered cerebral blood flow and glucose metabolism in patients with liver disease and minimal encephalopathy. 1991 , 11, 331-6	129
1737	Estimation of local cerebral glucose utilization by positron emission tomography: comparison of [18F]2-fluoro-2-deoxy-D-glucose and [18F]2-fluoro-2-deoxy-D-mannose in patients with focal brain lesions. 1991 , 11, 485-91	18
1736	Cerebral metabolism of fluorodeoxyglucose measured with ¹⁹ F NMR spectroscopy. 1991 , 4, 161-6	15
1735	Cerebral blood flow and metabolism in affective disorders. 1991 , 6, 423-430	3
1734	Abnormal cerebral glucose metabolism in long-term survivors of childhood acute lymphocytic leukemia. <i>Annals of Neurology</i> , 1991 , 29, 263-71	9-4 33
1733	Identification of early recurrence of primary central nervous system tumors by [18F]fluorodeoxyglucose positron emission tomography. <i>Annals of Neurology</i> , 1991 , 29, 347-55	9-4 146

1732	Quantification of mu and non-mu opiate receptors in temporal lobe epilepsy using positron emission tomography. <i>Annals of Neurology</i> , 1991 , 30, 3-11	9.4	159
1731	Determination of 2-fluoro-2-deoxy-D-glucose uptake and ATP level for evaluating drug effects in neoplastic cells. 1991 , 191, 27-35		19
1730	Clinical and biochemical aspects of depressive disorders: I. Introduction, classification, and research techniques. 1991 , 8, 185-211		20
1729	Decreased cerebral glucose metabolism associated with mental deterioration in multi-infarct dementia. 1991 , 33, 305-9		8
1728	PET: a biological imaging technique. 1991 , 16, 929-40		67
1727	Approaches to the design of biochemical probes for positron emission tomography. 1991 , 16, 1047-54		7
1726	Clinical Value of Pet with 18F-Fluorodeoxyglucose and L-Methyl-11C-Methionine for Diagnosis of Recurrent Brain Tumor and Radiation Injury. 1991 , 32, 197-202		74
1725	Striatal blood flow, glucose metabolism and 18F-dopa uptake: difference in Parkinson's disease and atypical parkinsonism. 1991 , 54, 898-904		60
1724	Combined tissue oxygen tension measurement and positron emission tomography studies on glucose utilization in oncogene-transformed cell line tumour xenografts in nude mice. 1991 , 64, 350-9		12
1723	Physostigmine in Alzheimer's disease: effects on cognitive functioning, cerebral glucose metabolism analyzed by positron emission tomography and cerebral blood flow analyzed by single photon emission tomography. 1991 , 366, 61-5		34
1722	.		
1721	Performance evaluation of the PC-2048: a new 15-slice encoded-crystal PET scanner for neurological studies. 1991 , 10, 90-8		81
1720	The metabolic landscape of cortico-basal ganglionic degeneration: regional asymmetries studied with positron emission tomography. 1991 , 54, 856-62		116
1719	Limbic system abnormalities identified in schizophrenia using positron emission tomography with fluorodeoxyglucose and neocortical alterations with deficit syndrome. 1992 , 49, 522-30		439
1718	Cerebral glucose utilization in motor neuron disease. 1992 , 49, 849-54		26
1717	Negative symptoms and hypofrontality in chronic schizophrenia. 1992 , 49, 959-65		290
1716	Serial changes of cerebral glucose metabolism and caudate size in persons at risk for Huntington's disease. 1992 , 49, 1161-7		136
1715	Cerebral glucose metabolism in Parkinson's disease with and without dementia. 1992 , 49, 1262-8		120

1714	Thalamocortical diaschisis: positron emission tomography in humans. 1992 , 55, 935-42	110
1713	PETSIM: Monte Carlo simulation of all sensitivity and resolution parameters of cylindrical positron imaging systems. 1992 , 37, 731-49	71
1712	¹ H- ¹³ C NMR measurements of [4- ¹³ C]glutamate turnover in human brain. 1992 , 89, 9603-6	147
1711	The brain as a chemical machine. 1992 , 94, 19-33	46
1710	Positron emission tomography and familial Alzheimer's disease: a pilot study. 1992 , 40, 120-3	10
1709	Glucose-free fatty acid cycle operates in human heart and skeletal muscle in vivo. 1992 , 89, 1767-74	225
1708	Uses and limitations of positron emission tomography in clinical pharmacokinetics/dynamics (Part II). 1992 , 22, 274-83	4
1707	Temporoparietal cortex and the recovery of language comprehension in aphasia. 1992 , 6, 349-358	21
1706	Long-term frontal brain metabolic changes in cocaine abusers. 1992 , 11, 184-90	344
1705	Remote-controlled production of [¹⁻¹¹ C]-d-glucose and evaluation of the effect of labelling position on loss of [¹¹ C]CO ₂ . 1992 , 43, 721-729	7
1704	Reliability of drawing regions of interest for positron emission tomographic data. 1992 , 45, 177-85	14
1703	Verbal fluency and positron emission tomographic mapping of regional cerebral glucose metabolism. 1992 , 28, 231-9	160
1702	Étude chez l'homme, par tomographie à émission de positons, du métabolisme et du débit sanguin cérébral dans différents États de mal épileptiques. 1992 , 1, 38-48	0
1701	Hemi-parkinsonism in multiple system atrophy: a PET and MRI study. 1992 , 110, 37-45	21
1700	Increased striatal ¹⁸ F-dopa uptake and normal glucose metabolism in idiopathic dystonia syndrome. 1992 , 111, 195-9	23
1699	Cerebral glucose utilization during stage 2 sleep in man. 1992 , 571, 149-53	105
1698	The relationship between social alienation and disorganized thinking in normal subjects and localized cerebral glucose metabolic rates assessed by positron emission tomography. 1992 , 33, 332-41	2
1697	The effect of anxiety and hostility in silent mentation on localized cerebral glucose metabolism. 1992 , 33, 52-9	22

1696	Positron emission tomography in cerebrovascular disorders. 1992 , 22, 224-32		15
1695	The role of positron emission tomography in oncology and other whole-body applications. 1992 , 22, 268-84		59
1694	Metabolic brain pattern of sustained auditory discrimination. 1992 , 92, 165-72		59
1693	Metabolic changes of glioma following chemotherapy: an experimental study using four PET tracers. 1992 , 14, 81-9		17
1692	Imaging of metabolism and autonomic innervation of the heart by positron emission tomography. 1992 , 19, 453-64		17
1691	Microdetermination of 2-deoxyglucose and 2-deoxyglucose 6-phosphate to determine glucose utilization rates in single neurons and small CNS regions after injecting nontracer amounts of 2-deoxyglucose. 1992 , 59, 888-96		6
1690	Errors introduced by tissue heterogeneity in estimation of local cerebral glucose utilization with current kinetic models of the [¹⁸ F]fluorodeoxyglucose method. 1992 , 12, 823-34		72
1689	NMR determination of the TCA cycle rate and alpha-ketoglutarate/glutamate exchange rate in rat brain. 1992 , 12, 434-47		239
1688	NMR determination of intracerebral glucose concentration and transport kinetics in rat brain. 1992 , 12, 448-55		96
1687	An update on the recovery of [¹⁸ O]water during the synthesis of [¹⁸ F]FDG by a simple modification in the procedure. 1992 , 43, 1089-1091		1
1686	Regional cerebral glucose metabolism in patients with Parkinson's disease with or without dementia. 1992 , 6, 241-6		23
1685	Regional brain glucose metabolism in patients with complex partial seizures investigated by intracranial EEG. 1992 , 12, 121-9		45
1684	Positron emission tomography for tumour assessment. 1992 , 5, 265-9		7
1683	Corticobasal degeneration: decreased and asymmetrical glucose consumption as studied with PET. 1992 , 7, 348-54		93
1682	Attenuation correction in positron emission tomography. 1992 , 15, 321-330		13
1681	Decrease of glucose in the human visual cortex during photic stimulation. 1992 , 25, 187-94		112
1680	Infantile spasms: II. Lenticular nuclei and brain stem activation on positron emission tomography. <i>Annals of Neurology</i> , 1992 , 31, 212-9	9-4	226
1679	Functional neuroimaging strategy in temporal lobe epilepsy: a comparative study of ¹⁸ F-FDG-PET and ^{99m} Tc-HMPAO-SPECT. <i>Annals of Neurology</i> , 1992 , 31, 650-6	9-4	57

1678	Positron emission tomography with fluorine-18-deoxyglucose in the detection and staging of breast cancer. 1993 , 71, 3920-5		177
1677	Imaging of pulmonary mass lesions with whole-body positron emission tomography and fluorodeoxyglucose. 1993 , 72, 82-90		84
1676	Models for computer simulation studies of input functions for tracer kinetic modeling with positron emission tomography. 1993 , 32, 95-110		154
1675	A computer simulation study on the effects of input function measurement noise in tracer kinetic modeling with positron emission tomography (PET). 1993 , 23, 57-68		20
1674	Striatal hypometabolism distinguishes striatonigral degeneration from Parkinson's disease. <i>Annals of Neurology</i> , 1993 , 33, 518-27	9-4	125
1673	Comparison of somatosensory evoked potentials with striatal glucose consumption measured by positron emission tomography in the early diagnosis of Huntington's disease. 1993 , 8, 98-106		37
1672	Reversible striatal hypermetabolism in a case of Sydenham's chorea. 1993 , 8, 355-8		75
1671	Brain glucose metabolism and dopamine D2 receptor analysis in a patient with hemiparkinsonism-hemiatrophy syndrome. 1993 , 8, 391-5		26
1670	Relief of akinesia by apomorphine and cerebral metabolic changes in Parkinson's disease. 1993 , 8, 459-62		10
1669	An animal model for in vivo evaluation of tumor glycolytic rates with positron emission tomography. 1993 , 53, 104-9		6
1668	Determination of 18F-fluoro-2-deoxy-D-glucose rate constants in the anesthetized baboon brain with dynamic positron tomography. 1993 , 50, 263-72		48
1667	Improved synthesis of 1-[11C]D-glucose. 1993 , 44, 971-80		15
1666	Factors affecting myocardial 2-[F-18]fluoro-2-deoxy-D-glucose uptake in positron emission tomography studies of normal humans. 1993 , 20, 308-18		77
1665	Striatal glucose consumption in chorea-free subjects at risk of Huntington's disease. 1993 , 241, 31-6		76
1664	Acute changes in glucose uptake after treatment: the effects of carmustine (BCNU) on human glioblastoma multiforme. 1993 , 15, 57-66		30
1663	Balo's concentric sclerosis followed by MRI and positron emission tomography. 1993 , 35, 578-80		25
1662	Positron emission tomography with fluorodeoxyglucose to evaluate tumor response and control after radiation therapy. 1993 , 27, 455-64		72
1661	The cortical topography of temporal lobe hypometabolism in early Alzheimer's disease. 1993 , 629, 189-98		60

1660	High metabolic activity demonstrated by positron emission tomography in human auditory cortex in case of deafness of early onset. 1993 , 623, 287-92	45
1659	. 1993 , 13, 15-26	23
1658	Reducing negativity artifacts in emission tomography: post-processing filtered backprojection solutions. 1993 , 12, 653-63	24
1657	Mixture Estimation from Multichannel Image Data. 1993 , 88, 209	2
1656	In vivo glucose transport in human skeletal muscle: tools, problems and perspectives. 1993 , 7, 929-60	13
1655	Positron emission tomographic (PET) studies in dementia. 1993 , 114, 1-6	43
1654	Metabolic and cognitive changes in hereditary ataxia. 1993 , 119, 134-40	20
1653	Imaging radiotracer model parameters in PET: a mixture analysis approach. 1993 , 12, 399-412	58
1652	In vivo cerebral metabolism and central benzodiazepine-receptor binding in temporal lobe epilepsy. 1993 , 43, 1998-2006	171
1651	Effects of acute stimulant medication on cerebral metabolism in adults with hyperactivity. 1993 , 8, 377-86	88
1650	The functional neuroanatomy of Tourette's syndrome: an FDG-PET study. I. Regional changes in cerebral glucose metabolism differentiating patients and controls. 1993 , 9, 277-91	151
1649	Mixture Estimation From Multichannel Image Data. 1993 , 88, 209-220	2
1648	The cerebral neurobiology of hope and hopelessness. 1993 , 56, 270-81	23
1647	Tracer Plasma Time-Activity Curves in Circulatory System for Positron Emission Tomography Kinetic Modeling Studies. 1993 , 26, 175-178	1
1646	Positron emission tomography in tumor diagnosis and treatment follow-up. 1993 , 32, 183-8	7
1645	Ageing and brain: clinical perspectives of PET. 1993 , 1, 11-7	
1644	Positronen-Emissions-Tomographie in der Neurologie: Grundlagen - Fragestellungen - Indikationen. 1993 , 20, 177-183	
1643	A Case of Corticobasal Degeneration Studied with Positron Emission Tomography. 1993 , 6, 59-64	4

1642	Glucose Consumption in Recurrent Gliomas. 1993 , 33, 28-33	28
1641	Proliferation und Fluorodeoxyglukoseaufnahme bei HNO-Tumoren. 1993 , 3, 161-167	
1640	Neuroimaging in Epilepsy: Recent Developments in MR Imaging, Positron-Emission Tomography, and Single-Photon Emission Tomography. 1993 , 11, 883-904	9
1639	Präoperatives Tumorstaging mittels Endoskopie, Magnetresonanztomographie, Somatostatinszintigraphie und Positronenemissionstomographie. 1994 , 4, 292-299	2
1638	Regional metabolic dependency in obstructive sleep apnea. 1994 , 308, 75-8	2
1637	Metabolic images from dynamic positron emission tomography studies. 1994 , 3, 87-101	27
1636	Statistical methods in neuroimaging with particular application to emission tomography. 1994 , 3, 63-86	15
1635	Positron emission tomography scanning in cancer. 1994 , 12, 74-87	23
1634	Buprenorphine reduces cerebral glucose metabolism in polydrug abusers. 1994 , 10, 157-70	21
1633	Asymmetric interictal glucose hypometabolism and cognitive performance in epileptic patients. 1994 , 51, 139-44	85
1632	Depression in complex partial seizures. Electroencephalography and cerebral metabolic correlates. 1994 , 51, 155-63	140
1631	Histological alterations in chronically hypoperfused myocardium. Correlation with PET findings. 1994 , 90, 735-45	239
1630	Quantitative brain FDG/PET studies using dynamic aortic imaging. 1994 , 39, 1475-87	16
1629	Positron-emission tomography and personality disorders. 1994 , 10, 21-8	214
1628	Brain glucose utilisation in acquired childhood aphasia associated with a sylvian arachnoid cyst: recovery after shunting as demonstrated by PET. 1994 , 57, 296-300	59
1627	Central homonymous hemianopia with an ischaemic lesion of the anterior visual pathway. 1994 , 14, 371-376	
1626	Diminished cerebral metabolic response to motor stimulation in schizophrenics: a PET study. 1994 , 244, 115-25	41
1625	Fluorine-18 deoxyglucose uptake in sarcoidosis measured with positron emission tomography. 1994 , 21, 297	

1624	Dopamine D2 receptor binding and cerebral glucose metabolism recover after D-penicillamine-therapy in Wilson's disease. 1994 , 241, 577-84	17
1623	Fluorine-18 deoxyglucose uptake in sarcoidosis measured with positron emission tomography. 1994 , 21, 297-305	193
1622	Blood flow and metabolic microenvironment of brain tumors. 1994 , 22, 261-7	30
1621	Peripheral benzodiazepine receptors and glucose metabolism in human gliomas. 1994 , 22, 15-22	10
1620	Perfusion and metabolism in predicting the survival of patients with cerebral gliomas. 1994 , 73, 2386-94	90
1619	Acute effect of carmustine on glucose metabolism in brain and glioblastoma. 1994 , 74, 2836-42	50
1618	Remote depressions of cerebral metabolism in hemiparetic stroke: Topography and relation to motor and somatosensory functions. 1994 , 1, 81-100	25
1617	Neural modeling and functional neuroimaging. 1994 , 1, 269-83	32
1616	Quantification of opiate receptors in two patients with mesiobasal temporal lobe epilepsy, before and after selective amygdalohippocampectomy, using positron emission tomography. 1994 , 18, 119-25	33
1615	Effects of GABAA receptors activation on brain glucose metabolism in normal subjects and temporal lobe epilepsy (TLE) patients. A positron emission tomography (PET) study. Part I: Brain glucose metabolism is increased after GABAA receptors activation. 1994 , 19, 45-54	34
1614	Graphical, kinetic, and equilibrium analyses of in vivo [¹²³ I] beta-CIT binding to dopamine transporters in healthy human subjects. 1994 , 14, 982-94	245
1613	The use of spectral analysis to determine regional cerebral glucose utilization with positron emission tomography and [¹⁸ F]fluorodeoxyglucose: theory, implementation, and optimization procedures. 1994 , 14, 406-22	71
1612	SPECT quantification of [¹²³ I]iomazenil binding to benzodiazepine receptors in nonhuman primates: I. Kinetic modeling of single bolus experiments. 1994 , 14, 439-52	68
1611	The brain at high altitude: hypometabolism as a defense against chronic hypoxia?. 1994 , 14, 671-9	109
1610	The metabolic topography of parkinsonism. 1994 , 14, 783-801	369
1609	PET studies of patients with partial epilepsy: visual interpretation vs. semi-quantification/quantification. 1994 , 152, 175-8	56
1608	Cerebral glucose metabolism in type 1 diabetic patients. 1994 , 11, 205-9	21
1607	Acute d-amphetamine challenge in schizophrenia: effects on cerebral glucose utilization and clinical symptomatology. 1994 , 36, 317-25	28

1606	Frontal and parietal metabolic disturbances in unipolar depression. 1994 , 36, 381-8	258
1605	Metabolic effects of scopolamine and physostigmine in human brain measured by positron emission tomography. 1994 , 123, 44-51	23
1604	Metabolic disturbances in exo-focal brain areas after cortical stroke studied by positron emission tomography. 1994 , 123, 147-53	21
1603	Cerebral network underlying unilateral motor neglect: evidence from positron emission tomography. 1994 , 125, 29-38	52
1602	Dynamic changes of focal hypometabolism in relation to epileptic activity. 1994 , 124, 188-97	40
1601	Striatal 18F-dopa uptake and brain glucose metabolism by PET in patients with syndrome of progressive ataxia. 1994 , 124, 198-203	12
1600	Cortical glucose metabolism in Parkinson's disease without dementia. 1994 , 15, 329-35	91
1599	Pharmacokinetics of Drugs. 1994 ,	1
1598	Radiopharmaceuticals for brain imaging. 1994 , 24, 324-49	76
1597	Comparison of cholinergic drug effects on regional brain glucose consumption in rats and humans by means of autoradiography and position emission tomography. 1994 , 635, 196-202	26
1596	Glucose export from the brain in man: evidence for a role for astrocytic glycogen as a reservoir of glucose for neural metabolism. 1994 , 635, 349-52	27
1595	Different patterns of [18F]dopa uptake in siblings with hereditary dentato-rubro-pallido-lusian atrophy. 1994 , 16, 335-8	2
1594	Brain glucose utilization in band heterotopia: synaptic activity of "double cortex". 1994 , 11, 290-4	65
1593	Synthesis of 2-[18F]fluoro-2-deoxy-L-glucose and positron emission tomography studies in monkeys. 1994 , 21, 633-40	1
1592	PET FDG studies in oncology. 1994 , 21, 739-47	28
1591	Temporal glucose metabolism in borderline personality disorder. 1994 , 55, 237-45	15
1590	A kinetic comparison of [18F]2-fluoro-2-deoxyglucose and [18F]2-fluoro-2-deoxymannose using positron emission tomography. 1994 , 21, 857-63	4
1589	Differential diagnosis and possible pathogenetic mechanisms of obsessive-compulsive syndromes. 1994 , 4, 360-361	

- 1588 Cerebral glucose metabolic changes after stereotactic leukotomy for refractory obsessive-compulsive disorder: a case report. **1994**, 4, 361
- 1587 Age-associated memory loss: initial neuropsychological and cerebral metabolic findings of a longitudinal study. **1994**, 6, 23-44; discussion 60-2 36
- 1586 [Functional significance of calcinosis of the basal ganglia via positron emission tomography]. **1994**, 62, 119-24 3
- 1585 Visualizing patterns of neurological disease progression with PET. **1994**, 2168, 298
- 1584 Reduced temporal lobe glucose metabolism in aging. **1995**, 5, 178-82 28
- 1583 Basal ganglia and frontal lobe glucose metabolism. A reproducibility positron emission tomography study. **1995**, 5, 219-26 7
- 1582 Positron emission tomography Analysis of biochemical reactions in the living human body. **1995**, 20, 71-79
- 1581 Chromosome 14 linked familial Alzheimer's disease. A clinico-pathological study of a single pedigree. **1995**, 118 (Pt 1), 185-205 81
- 1580 The metabolic topography of idiopathic torsion dystonia. **1995**, 118 (Pt 6), 1473-84 143
- 1579 Does the enhancement of cholinergic neurotransmission influence brain glucose kinetics and clinical symptomatology in progressive supranuclear palsy?. **1995**, 118 (Pt 6), 1485-95 28
- 1578 Functional caudate imaging in symptomatic Huntington's disease: positron emission tomography versus single-photon emission computed tomography. **1995**, 5, 227-32 2
- 1577 Is interictal temporal hypometabolism related to mesial temporal sclerosis? A positron emission tomography/magnetic resonance imaging confrontation. **1995**, 36, 447-56 99
- 1576 Does frontal cortex hypometabolism in progressive supranuclear palsy result from subcortical dysfunction?. **1995**, 1, 221-8 6
- 1575 Clues about the functional neuroanatomy of verbal working memory: a study of resting brain glucose metabolism in Parkinson's disease. **1995**, 2, 83-94 20
- 1574 Comparison of ictal SPECT and interictal PET in the presurgical evaluation of temporal lobe epilepsy. *Annals of Neurology*, **1995**, 37, 738-45 9.4 112
- 1573 Cerebral transport and metabolism of 1-11C-D-glucose during stepped hypoglycemia. *Annals of Neurology*, **1995**, 38, 599-609 9.4 21
- 1572 Blood flow and metabolism of central neurocytoma: a positron emission tomography study. **1995**, 76, 1224-32 38
- 1571 Synthesis of 2-O-(2-, a stable iodinated analogue of 2-deoxy-2-fluoro-d-glucose. **1995**, 271, 125-129 2

1570	Regional brain glucose metabolism after acute alpha 2-blockade by idazoxan. 1995 , 57, 684-95	11
1569	Glucose metabolic rate and progression of illness in Alzheimer's disease. 1995 , 10, 659-667	5
1568	Euphorigenic doses of cocaine reduce [¹²³ I]beta-CIT SPECT measures of dopamine transporter availability in human cocaine addicts. 1995 , 122, 358-62	50
1567	Effect of tissue heterogeneity on quantification in positron emission tomography. 1995 , 22, 652-63	21
1566	Positron emission tomographic assessment of cerebral hemocirculation and glucose metabolism in malignant glioma following treatment with intracarotid recombinant human tumor necrosis factor-alpha. 1995 , 23, 67-73	4
1565	Is positron emission tomography a useful tool for studying migraine?. 1995 , 15, 316-22	4
1564	Simultaneous determination of the rates of the TCA cycle, glucose utilization, alpha-ketoglutarate/glutamate exchange, and glutamine synthesis in human brain by NMR. 1995 , 15, 12-25	283
1563	Analysis of time courses of metabolic precursors and products in heterogeneous rat brain tissue: limitations of kinetic modeling for predictions of intracompartamental concentrations from total tissue activity. 1995 , 15, 474-84	9
1562	Magnetic resonance imaging verification of a multi-compartment perfusion model for a chromatography gel phantom. 1995 , 13, 581-98	3
1561	NMR studies of brain ¹³ C-glucose uptake and metabolism: present status. 1995 , 13, 1213-21	21
1560	Visualizing the evolution of abnormal metabolic networks in the brain using PET. 1995 , 19, 295-306	21
1559	Functional Magnetic Resonance Imaging. 1995 , 239-326	16
1558	Decline in glucose metabolism in the brain in neuronal ceroid lipofuscinosis (NCL) in English setter--evidence by positron emission tomography (PET). 1995 , 41 Suppl 2, 249-57	5
1557	MRI and PET studies of manganese-intoxicated monkeys. 1995 , 45, 1199-204	108
1556	The protective effects of education on simulated brain injury. 1995 , 12, 957-60	2
1555	Interictal cerebral metabolism and epilepsy in cavernous angiomas. 1995 , 118 (Pt 3), 677-87	46
1554	Introduction to imaging brain tumor metabolism with positron emission tomography (PET). 1995 , 13, 244-59	30
1553	A statistical examination of FBP and ML for estimating mixture models from dynamic PET data.	2

1552	Decreased cerebral glucose metabolism in patients with brain tumors: an effect of corticosteroids. 1995 , 83, 657-64	53
1551	Apolipoprotein E Type 4 Allele and Cerebral Glucose Metabolism in Relatives at Risk for Familial Alzheimer Disease. 1995 , 273, 942	314
1550	Cortical abnormalities associated with subcortical lesions in vascular dementia. Clinical and position emission tomographic findings. 1995 , 52, 773-80	127
1549	Progressive apraxia in clinically discordant monozygotic twins. 1995 , 52, 1004-10	19
1548	Cerebral metabolic topography in unilateral temporal lobe epilepsy. 1995 , 45, 2212-23	48
1547	Effects of a ketogenic diet on tumor metabolism and nutritional status in pediatric oncology patients: two case reports. 1995 , 14, 202-8	217
1546	Representation and identity - convergence of brain research and mind-brain philosophy. 1995 , 4, 183-203	1
1545	Altered frontostriatal relationship in unmedicated schizophrenic patients. 1995 , 61, 161-71	20
1544	Iodine-123-labeled glucose analogs: prospects for a single-photon-emitting analog of fluorine-18-labeled deoxyglucose. 1995 , 22, 829-35	12
1543	Experimental models, protocols, and reference values for evaluation of iodinated analogues of glucose. 1995 , 22, 875-85	15
1542	[Contribution of positron emission tomography in the study of wakefulness and sleep. Status of the question]. 1995 , 25, 342-50	0
1541	Brain size and cerebral glucose metabolic rate in nonspecific mental retardation and down syndrome. 1995 , 20, 191-210	67
1540	Epileptic seizures triggered directly by focal transcranial magnetic stimulation. 1995 , 94, 19-25	58
1539	Brain hypometabolism of glucose in anorexia nervosa: a PET scan study. 1995 , 37, 161-9	90
1538	Positron emission tomography of reversible intellectual impairment induced by long-term anticholinergic therapy. 1995 , 132, 89-92	9
1537	PET studies of cerebral glucose metabolism in conscious rhesus macaques. 1995 , 16, 825-32	24
1536	Regional cerebral glucose metabolism in children with deterioration of one or more cognitive functions and continuous spike-and-wave discharges during sleep. 1995 , 118 (Pt 6), 1497-520	133
1535	An evaluation of the algorithms for determining local cerebral metabolic rates of glucose using positron emission tomography dynamic data. 1995 , 14, 697-710	68

1534 Simultaneous emission and transmission scanning in PET oncology: effect on parameter estimation.

1533 Sleep function(s) and cerebral metabolism. **1995**, 69, 75-83 165

1532 A PET study of the functional neuroanatomy of writing impairment in Alzheimer's disease. The role of the left supramarginal and left angular gyri. **1995**, 118 (Pt 3), 697-706 85

1531 Memory Self-Appraisal and Cerebral Glucose Metabolism in Age-Associated Memory Impairment. **1995**, 3, 132-143 6

1530 The future. Monitoring cellular energetics. **1996**, 12, 1031-42 16

1529 Glucose metabolism in the cortical and subcortical brain structures in multiple system atrophy and Parkinson's disease: a positron emission tomographic study. **1996**, 144, 77-83 53

1528 Interregional correlation of cerebral glucose metabolism in unmedicated schizophrenia. **1996**, 6, 141-7 3

1527 Brain metabolism patterns are sensitive to attentional effort associated with a tone recognition task. **1996**, 39, 1013-22 7

1526 Brain hypometabolism of glucose in anorexia nervosa: normalization after weight gain. **1996**, 40, 761-8 77

1525 Functional imaging studies of the pain system in man and animals. **1996**, 110, 47-62 13

1524 Optimal image sampling schedule: a new effective way to reduce dynamic image storage space and functional image processing time. **1996**, 15, 710-9 37

1523 Cortical glucose metabolism in psychiatric wandering patients with vascular dementia. **1996**, 67, 71-80 21

1522 Long-term positron emission tomography evaluation of slowly progressive gliomas. **1996**, 32A, 1257-60 5

1521 Biological studies of analogues of glucose iodinated in positions 1, 2, or 3. **1996**, 23, 53-60 9

1520 System A amino acid transport in cultured human tumor cells: implications for tumor imaging with PET. **1996**, 23, 779-86 25

1519 PET and [18F]-FDG in oncology: a clinical update. **1996**, 23, 717-35 220

1518 Gender comparisons of cerebral glucose metabolic rate in healthy adults during a cognitive task. **1996**, 20, 183-191 24

1517 The effect of non-insulin-dependent diabetes mellitus and obesity on glucose transport and phosphorylation in skeletal muscle. **1996**, 97, 2705-13 157

1516	Imaging allergen-invoked airway inflammation in atopic asthma with [18F]-fluorodeoxyglucose and positron emission tomography. 1996 , 347, 937-40	60
1515	Cellular bases of brain energy metabolism and their relevance to functional brain imaging: evidence for a prominent role of astrocytes. 1996 , 6, 50-61	187
1514	Nuclear medicine techniques in breast imaging. 1996 , 17, 494-505	
1513	Cerebral oxygen and glucose metabolism and blood flow in mitochondrial encephalomyopathy: a PET study. 1996 , 38, 102-7	23
1512	Oncological applications of positron emission tomography with fluorine-18 fluorodeoxyglucose. 1996 , 23, 1641-74	386
1511	Optimization of the [¹⁸ F]FDG protocol for clinical cerebral studies in 3D PET.	1
1510	Reducing blood sampling requirements for quantitative PET: some results for cerebral studies with FDG.	3
1509	Positron emission tomography in the clinical evaluation of metastatic cancer. 1996 , 14, 691-6	32
1508	PET Study in a Patient with Spinocerebellar Degeneration before and after Long-Term Administration of Thyrotropin Releasing Hormone. 1996 , 9, 171-175	
1507	.	
1506	Positron Emission Tomography. 1996 , 9, 89-95	
1505	In Vivo Imaging of Human Limbic Responses to Nitrous Oxide Inhalation. 1996 , 83, 291-298	26
1504	In vivo imaging of human limbic responses to nitrous oxide inhalation. 1996 , 83, 291-8	25
1503	Adult-onset complex partial seizures as the presenting sign in colpocephaly: MRI and PET correlates. 1996 , 6, 192-5	8
1502	Activation of memory circuits during cue-elicited cocaine craving. 1996 , 93, 12040-5	804
1501	Compartment analysis of cerebral glucose metabolism and in vitro glucose-metabolizing enzyme activities in the rat brain. 1996 , 706, 267-72	6
1500	Simple method to quantify myocardial glucose metabolism from MB ratio in myocardial FDG PET. 1996 , 10, 323-8	3
1499	A new double modeling approach for dynamic cardiac PET studies using noise and spillover contaminated LV measurements. 1996 , 43, 319-27	24

1498	Optimized sampling and parameter estimation for quantification in whole body PET. 1996 , 43, 1021-8		17
1497	Variability of presentation in medial temporal lobe epilepsy: a study of 30 operated cases. 1996 , 94, 1-11		35
1496	Cerebellar hypometabolism in focal epilepsy is related to age of onset and drug intoxication. 1996 , 37, 1194-9		11
1495	Use of positron emission tomography to study tumors in vivo. 1996 , 2, 528-34		4
1494	Thalamic metabolism and corticospinal tract integrity determine motor recovery in stroke. <i>Annals of Neurology</i> , 1996 , 39, 460-70	9.4	186
1493	Regional glucose metabolism and histopathology of gliomas. A study based on positron emission tomography-guided stereotactic biopsy. 1996 , 78, 1098-106		96
1492	Enhanced regional cerebral metabolic interactions in thalamic circuitry predicts motor recovery in hemiparetic stroke. 1996 , 4, 240-53		19
1491	Positron emission tomography: a new investigational area for cancer research. 1996 , 8, 7-14		7
1490	Combined study of cerebral glucose metabolism and [¹¹ C]methionine accumulation in probable Alzheimer's disease using positron emission tomography. 1996 , 16, 399-408		32
1489	Transport of D-glucose and 2-fluorodeoxyglucose across the blood-brain barrier in humans. 1996 , 16, 659-66		25
1488	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. 1996 , 45, 1471-7		60
1487	Cerebral metabolic rate for glucose during the first six months of life: an FDG positron emission tomography study. 1996 , 74, F153-7		100
1486	Topography of interictal glucose hypometabolism in unilateral mesiotemporal epilepsy. 1996 , 46, 1422-30		130
1485	The application of positron emission tomography to the study of the normal menstrual cycle. 1996 , 11, 2799-805		67
1484	Divergent expression of regional metabolic topographies in Parkinson's disease and normal ageing. 1997 , 120 (Pt 12), 2197-206		47
1483	Metabolic correlates of pallidal neuronal activity in Parkinson's disease. 1997 , 120 (Pt 8), 1315-24		100
1482	Molecular neurobiology of Alzheimer's disease (syndrome?). 1997 , 5, 177-213		26
1481	The brain metabolic patterns of clozapine- and fluphenazine-treated patients with schizophrenia during a continuous performance task. 1997 , 54, 481-6		58

1480	Functional Neuroimaging of Cortical Dysfunction in Alcoholic Korsakoff's Syndrome. 1997 , 9, 277-93	93
1479	[Neuroradiologic activation studies of cerebral organization of language capacities. A review of the literature]. 1997 , 65, 182-94	3
1478	Positron emission tomography, magnetic resonance imaging and proton NMR spectroscopy of white matter in multiple sclerosis. 1997 , 3, 8-17	77
1477	Decreased cortical glucose metabolism correlates with hippocampal atrophy in Alzheimer's disease as shown by MRI and PET. 1997 , 62, 596-600	59
1476	Is 11C-flumazenil PET superior to 18FDG PET and 123I-iomazenil SPECT in presurgical evaluation of temporal lobe epilepsy?. 1997 , 62, 141-50	64
1475	The Cellular Bases of Functional Brain Imaging: Evidence for Astrocyte-Neuron Metabolic Coupling. 1997 , 3, 361-365	12
1474	Myocardial glucose uptake in patients with NIDDM and stable coronary artery disease. 1997 , 46, 1491-6	27
1473	Prefrontal asymmetric interictal glucose hypometabolism and cognitive impairment in patients with temporal lobe epilepsy. 1997 , 120 (Pt 12), 2283-94	141
1472	Magnetic shielding requirements for PET detectors during transcranial magnetic stimulation.	
1471	Cerebral hyperglycolysis following severe traumatic brain injury in humans: a positron emission tomography study. 1997 , 86, 241-51	488
1470	Preoperative indicators of clinical outcome following stereotaxic pallidotomy. 1997 , 49, 1083-90	55
1469	Ictal motor signs and interictal regional cerebral hypometabolism. 1997 , 49, 341-50	35
1468	Striatal dopamine metabolism correlated with frontotemporal glucose utilization in Alzheimer's disease: a double-tracer PET study. 1997 , 49, 941-5	35
1467	Algorithm on the clinical evaluation of epilepsy. 1997 , 7, 236-41	6
1466	The metabolic anatomy of Tourette's syndrome. 1997 , 48, 927-34	140
1465	Indications for differential diagnosis of nontumor central nervous system diseases from tumors. A positron emission tomography study. 1997 , 7, 8-15	17
1464	Evaluation of Pet Modeling Approaches of [18 Fdg]Fluorodeoxyglucose Kinetics on Heart and Brain Data. 1997 , 30, 103-106	
1463	Consolidation of common parameters from multiple fits in dynamic PET data analysis. 1997 , 16, 675-83	2

1462	A methodology for specifying PET VOI's using multimodality techniques. 1997 , 16, 405-15	29
1461	A simplified blood sampling scheme in FDG-PET studies.	1
1460	Quantitative comparison of 3D and 2D PET with brain studies.	
1459	Estimating Precision in Functional Images. 1997 , 6, 132-142	3
1458	Camouflaged Deconvolution with Application to Blood Curve Modeling in FDG PET Studies. 1997 , 92, 1293-1303	9
1457	Mapping histology to metabolism: coregistration of stained whole-brain sections to premortem PET in Alzheimer's disease. 1997 , 5, 147-53	127
1456	Anterior cingulate and motor network metabolic impairment in progressive supranuclear palsy. 1997 , 5, 173-8	24
1455	Cholinergic neurotransmission has different effects on cerebral glucose consumption and blood flow in young normals, aged normals, and Alzheimer's disease patients. 1997 , 6, 335-43	36
1454	Positron emission tomography (PET) in Machado-Joseph disease. 1997 , 145, 63-7	50
1453	Parametric imaging of patient pharmacokinetics. 1997 , 24, 1369-73	1
1452	Does fluorine-18 fluorodeoxyglucose metabolic imaging of tumours benefit oncology?. 1997 , 24, 691-705	77
1451	Evaluation of two population-based input functions for quantitative neurological FDG PET studies. 1997 , 24, 299-304	76
1450	Characterization of 6-deoxy-6-iodo-D-glucose: a potential new tool to assess glucose transport. 1997 , 24, 99-104	16
1449	Mood state and cerebral metabolism in persons with age-associated memory impairment. 1997 , 76, 67-74	4
1448	Brain glucose metabolism in anorexia nervosa and affective disorders: influence of weight loss or depressive symptomatology. 1997 , 74, 83-92	39
1447	Metabolic alterations in muscle of thermally injured rabbits, measured by positron emission tomography. 1997 , 61, 39-44	28
1446	Atrophy of the corpus callosum, cognitive impairment, and cortical hypometabolism in progressive supranuclear palsy. <i>Annals of Neurology</i> , 1997 , 41, 606-14	9-4 40
1445	Metabolic hyperfrontality and psychopathology in the ketamine model of psychosis using positron emission tomography (PET) and [18F]fluorodeoxyglucose (FDG). 1997 , 7, 9-24	271

1444	Measurement of acetylcholinesterase by positron emission tomography in the brains of healthy controls and patients with Alzheimer's disease. 1997 , 349, 1805-9	221
1443	Cerebral glucose metabolism and memory in aged rhesus macaques. 1997 , 18, 437-43	35
1442	Regional cerebral glucose metabolism in dementia with Lewy bodies and Alzheimer's disease: a comparative study using positron emission tomography. 1997 , 235, 49-52	110
1441	Cerebral Blood Flow and Energy Metabolism in the Newborn. 1997 , 24, 531-546	45
1440	XVIIIth International Symposium on Cerebral Blood Flow and Metabolism. 1997 , 17, S1-S806	
1439	The in Vivo Metabolic Pattern of Low-grade Brain Gliomas: A Positron Emission Tomographic Study Using 18F-fluorodeoxyglucose and 11 C-L-methylmethionine. 1997 ,	
1438	On the rate of decarboxylation of dopa to dopamine in living mammalian brain. 1997 , 835, 274-308	10
1437	Subgenual prefrontal cortex abnormalities in mood disorders. 1997 , 386, 824-7	2243
1436	Functional brain imaging for anesthesiology research: how positron emission tomography works. 1997 , 8, 86-90	
1435	Cerebral metabolic rate for glucose after neonatal hypoglycaemia. 1997 , 49, 63-72	12
1434	Simultaneous emission and transmission scanning in PET oncology: the effect on parameter estimation. 1997 , 44, 67-73	1
1433	A technique for extracting physiological parameters and the required input function simultaneously from PET image measurements: theory and simulation study. 1997 , 1, 243-54	101
1432	Brain energy metabolism in early blind subjects: neural activity in the visual cortex. 1997 , 750, 235-44	113
1431	Brain hypometabolism of glucose in low-weight depressed patients and in anorectic patients: a consequence of starvation?. 1997 , 44, 69-77	26
1430	Positron emission tomography studies of sleep and sleep disorders. 1997 , 244, S23-8	63
1429	Differentiating between multiple system atrophy and Parkinson's disease by positron emission tomography with 18F-dopa and 18F-FDG. 1997 , 11, 251-7	54
1428	Design, construction and six years' experience of an integrated system for automated handling of discrete blood samples. 1998 , 25, 85-90	3
1427	Cerebral glucose metabolism in corticobasal degeneration: comparison with progressive supranuclear palsy and normal controls. 1997 , 12, 691-6	47

1426	Cerebral glucose metabolism in patients with spasmodic torticollis. 1997 , 12, 704-8	65
1425	A synthesis of 4-deoxy-4-iodo-D-glucose suitable for radiolabelling.. 1997 , 39, 487-492	3
1424	¹⁸ F-fluorodeoxyglucose positron emission tomography and the prognosis of patients with pancreatic adenocarcinoma. 1997 , 79, 695-699	73
1423	Functional anatomy of verbal and visuospatial span tasks in Alzheimer's disease. 1997 , 5, 110-8	26
1422	Accumulation of FDG in axillary sweat glands in hyperhidrosis: a pitfall in whole-body PET examination. 1998 , 8, 482-3	9
1421	Clinical value of "ictal" FDG-positron emission tomography and the routine use of simultaneous scalp EEG studies in patients with intractable partial epilepsies. 1998 , 39, 753-66	44
1420	Regional differences in cerebral blood flow and glucose utilization in diabetic man: the effect of insulin. 1998 , 18, 130-40	72
1419	Calculation of the FDG lumped constant by simultaneous measurements of global glucose and FDG metabolism in humans. 1998 , 18, 154-60	48
1418	Effects of damage to the basal forebrain on brain glucose utilization: a reevaluation using positron emission tomography in baboons with extensive unilateral excitotoxic lesion. 1998 , 18, 476-90	17
1417	Noninvasive quantification of the cerebral metabolic rate for glucose using positron emission tomography, ¹⁸ F-fluoro-2-deoxyglucose, the Patlak method, and an image-derived input function. 1998 , 18, 716-23	209
1416	Validation of a less-invasive method for measurement of serotonin synthesis rate with alpha-[¹¹ C]methyl-tryptophan. 1998 , 18, 1121-9	34
1415	Regional cerebral blood flow during rewarming of cardiopulmonary bypass correlates with posthypothermic regional glucose use. 1998 , 116, 503-10	9
1414	Evaluation of compartmental and spectral analysis models of [¹⁸ F]FDG kinetics for heart and brain studies with PET. 1998 , 45, 1429-48	50
1413	Effect of cocaine-related environmental stimuli on the spontaneous electroencephalogram in polydrug abusers. 1998 , 19, 10-7	18
1412	Abnormalities in the distributed network of sustained attention predict neuroleptic treatment response in schizophrenia. 1998 , 19, 36-47	31
1411	Dynamic [¹⁸ F]fluorodeoxyglucose positron emission tomography and hypometabolic zones in seizures: reduced capillary influx. <i>Annals of Neurology</i> , 1998 , 43, 801-8	9.4 30
1410	Using functional brain imaging to understand human cognition. 1998 , 3, 39-52	43
1409	Solid phase-supported reaction of N.C.A. H11CN with arabinose: a simplified automated synthesis of D-[¹⁻¹¹ C]glucose. 1998 , 41, 287-300	2

1408	Compartmental analysis of dopa decarboxylation in living brain from dynamic positron emission tomograms. 1998 , 29, 37-61	93
1407	Evaluation of extra- and intracellular apparent diffusion in normal and globally ischemic rat brain via ¹⁹ F NMR. 1998 , 40, 1-13	209
1406	Cerebral muscarinic acetylcholinergic receptor measurement in Alzheimer's disease patients on ¹¹ C-N-methyl-4-piperidyl benzilate--comparison with cerebral blood flow and cerebral glucose metabolism. 1998 , 12, 35-42	26
1405	Estimation of myocardial glucose utilisation with PET using the left ventricular time-activity curve as a non-invasive input function. 1998 , 36, 112-7	17
1404	Cerebral interregional correlations of associative language processing: a positron emission tomography activation study using fluorine-18 fluorodeoxyglucose. 1998 , 25, 1511-9	10
1403	PET study of striatal fluorodopa uptake and dopamine D2 receptor binding in a patient with juvenile parkinsonism. 1998 , 5, 243-248	4
1402	Glucose consumption by various tissues in pregnant rats: effects of a 6-day euglycaemic hyperinsulinaemic clamp. 1998 , 164, 325-34	9
1401	Evolution of brain glucose metabolism with age in epileptic infants, children and adolescents. 1998 , 20, 524-9	24
1400	Dynamic changes in glucose metabolism by lactate loading as revealed by a positron autoradiography technique using rat living brain slices. 1998 , 249, 155-8	16
1399	Paradoxical metabolic response of the human brain to a single electroconvulsive shock. 1998 , 254, 41-4	20
1398	Impaired cerebral glucose metabolism in myotonic dystrophy: a triplet-size dependent phenomenon. 1998 , 8, 39-45	17
1397	FDG accumulation and tumor biology. 1998 , 25, 317-22	271
1396	Gamma emission imaging in the management of breast disorders. 1998 , 24, 320-9	10
1395	Using what is accessible to measure that which is not: necessity of model of system. 1998 , 47, 1009-35	47
1394	Regional cerebral metabolic asymmetries replicated in an independent group of patients with panic disorders. 1998 , 44, 998-1006	68
1393	Effects of healthy aging on the regional cerebral metabolic rate of glucose assessed with statistical parametric mapping. 1998 , 7, 176-84	171
1392	La tomographie par émission de positons (TEP). 1998 , 9, 227-235	
1391	Magnetic shielding requirements for PET detectors during transcranial magnetic stimulation. 1998 , 45, 1303-1307	9

1390	A flexible image smoothing and segmenting prior to parametric estimation.	0
1389	Variability Assessment in Positron Emission Tomography and Related Generalized Deconvolution Models. 1998 , 93, 1340-1355	16
1388	Quantifying cerebral PET with FDG using dynamic internal carotid arteries imaging.	1
1387	Positron Emission Tomographic Imaging of Pleomorphic Adenoma in the Parotid Gland. 1998 , 118, 214-220	8
1386	Monitoring of Response to Radiotherapy with Fluorine-18 Deoxyglucose PET of Head and Neck Squamous Cell Carcinomas. 1998 , 118, 254-260	8
1385	A method to estimate the input function non-invasively for neurologic FDG-PET studies.	
1384	PET radiopharmaceuticals: state-of-the-art and future prospects. 1998 , 28, 221-34	36
1383	Coordinated expression in chronically unconscious persons. 1998 , 353, 1929-33	39
1382	The effect of neuronal perturbation on the uptake of [18F]2-fluoro-2-deoxy-D-glucose in brain slices of the rat. 1998 , 30, 271-8	5
1381	Heterogeneity of glucose metabolism in corticobasal degeneration. 1998 , 161, 70-6	13
1380	Functional imaging of the brain in the evaluation of drug response and its application to the study of aging. 1998 , 13, 211-22	7
1379	Correlation of qEEG with PET in schizophrenia. 1998 , 38, 50-6	20
1378	Frontal lobe hypometabolism and depression in Alzheimer's disease. 1998 , 50, 380-3	137
1377	The use of positron emission tomography scanning in occult and recurrent head and neck cancer. 1998 , 534, 1-11	30
1376	Quantitative Measurement of Acetylcholinesterase Activity in Living Human Brain Using a Radioactive Acetylcholine Analog and Dynamic PET. 1998 , 393-399	1
1375	Regional cerebral glucose metabolism in dementia with Lewy bodies and Alzheimer's disease. 1998 , 51, 125-30	201
1374	Estimation of kinetic constants in double injection FDG-PET studies: application in neurology and oncology.	
1373	The neural substrates of memory systems impairment in Alzheimer's disease. A PET study of resting brain glucose utilization. 1998 , 121 (Pt 4), 611-31	229

1372	Greater metabolic rate decreases in hippocampal formation and proisocortex than in neocortex in Alzheimer's disease. 1998 , 37, 10-9	32
1371	Hippocampal, but not amygdala, activity at encoding correlates with long-term, free recall of nonemotional information. 1998 , 95, 14506-10	84
1370	Imaging of oncologic patients: benefit of combined CT and FDG PET in the diagnosis of malignancy. 1998 , 171, 1103-10	68
1369	Louis Sokoloff. 1998 , 454-497	
1368	Positron emission tomography studies of abnormal glucose metabolism in schizophrenia. 1998 , 24, 343-64	154
1367	Cerebral effects of a single dose of intravenous vinpocetine in chronic stroke patients: a PET study. 1998 , 8, 197-204	35
1366	Cerebral glucose metabolism in women with panic disorder. 1998 , 155, 1178-83	112
1365	Alteration of regional cerebral glucose utilization with delusions in Alzheimer's disease. 1998 , 10, 433-9	44
1364	Metabolic rate in the right amygdala predicts negative affect in depressed patients. 1998 , 9, 3301-7	263
1363	Frontal dysfunction in neurologically normal chronic alcoholic subjects: metabolic and neuropsychological findings. 1998 , 28, 1039-48	169
1362	Imagewise model fitting for generating parametric images in dynamic PET studies. 1998 ,	
1361	Atrophy of the corpus callosum, cortical hypometabolism, and cognitive impairment in corticobasal degeneration. 1998 , 55, 609-14	60
1360	Effect of Pallidotomy on Cerebral Metabolism in Parkinson's Disease. 1998 , 7, S999	
1359	Fractured brain function in unconscious humans I: Clinical cases and metabolic studies. 1998 , 7, S105	1
1358	Medication Related Changes in Cerebral Glucose Metabolism in Parkinson's Disease. 1998 , 7, S237	2
1357	Estimating glucose metabolism using glucose analogs and two tracer kinetic models in isolated rabbit heart. 1998 , 275, H668-79	5
1356	A fast algorithm for estimating FDG model parameters in dynamic PET with an optimised image sampling schedule and corrections for cerebral blood volume and partial volume.	
1355	Relatively preserved hippocampal glucose metabolism in mild Alzheimer's disease. 1998 , 9, 317-22	38

1354	Mapping the effects of healthy aging on resting brain glucose utilization (rCMRGlc) with 3-D PET and SPM. 1998 , 7, S524	1
1353	Lumped constant for deoxyglucose is decreased when myocardial glucose uptake is enhanced. 1999 , 276, H129-33	15
1352	Effects on regional brain metabolism of high-altitude hypoxia: a study of six US marines. 1999 , 277, R314-9	11
1351	Neuropsychological impairment correlates with hypoperfusion and hypometabolism but not with severity of white matter lesions on MRI in patients with cerebral microangiopathy. 1999 , 30, 556-66	154
1350	Marital status and risk of Alzheimer's disease: a French population-based cohort study. 1999 , 53, 1953-8	126
1349	Methods for evaluating coronary microvasculature in humans. 1999 , 20, 1300-13	17
1348	Germ cell tumor: differentiation of viable tumor, mature teratoma, and necrotic tissue with FDG PET and kinetic modeling. 1999 , 211, 249-56	88
1347	¹⁸ FDG-positron emission tomography in pancreatic cancer. 1999 , 10, S28-S32	6
1346	Review : Metabolic Imaging: A Window on Brain Development and Plasticity. 1999 , 5, 29-40	31
1345	Dementia as the most common presentation of cortical-basal ganglionic degeneration. 1999 , 53, 1969-74	188
1344	Gender differences in the incidence of AD and vascular dementia: The EURODEM Studies. EURODEM Incidence Research Group. 1999 , 53, 1992-7	459
1343	Words without mind. 1999 , 11, 650-6	61
1342	Pathophysiology of secondary depressions in the elderly. 1999 , 12, 128-36	20
1341	Validity of clinical criteria for the diagnosis of dementia with Lewy bodies. 1999 , 53, 1974-82	130
1340	Neocortical and hippocampal glucose hypometabolism following neurotoxic lesions of the entorhinal and perirhinal cortices in the non-human primate as shown by PET. Implications for Alzheimer's disease. 1999 , 122 (Pt 8), 1519-31	169
1339	Functional anatomy of neuropsychological deficits after severe traumatic brain injury. 1999 , 53, 1963-8	114
1338	Rate of memory decline in AD is related to education and occupation: cognitive reserve?. 1999 , 53, 1942-7	405
1337	Cognitive decline in individuals with high blood pressure: a longitudinal study in the elderly. EVA Study Group. Epidemiology of Vascular Aging. 1999 , 53, 1948-52	291

1336	Head trauma and risk of dementia and Alzheimer's disease: The Rotterdam Study. 1999 , 53, 1959-62	192
1335	Decreased regional cerebral metabolic rate for glucose in systemic lupus erythematosus patients with psychiatric symptoms. 1999 , 42, 41-8	37
1334	Error behaviors associated with loss of competency in Alzheimer's disease. 1999 , 53, 1983-92	28
1333	A standardized blood sampling scheme in quantitative FDG-PET studies. 1999 , 18, 379-84	11
1332	Imaging of an artery from skin surface using beta camera. 1999 , 46, 583-586	6
1331	Application of positron emission tomography to determine cerebral glucose utilization in conscious infant monkeys. 1999 , 88, 123-33	7
1330	Glucose metabolism evaluated by positron emission tomography in Lafora disease. 1999 , 41, 689-92	10
1329	Repetitive, non-invasive imaging of the dopamine D2 receptor as a reporter gene in living animals. 1999 , 6, 785-91	329
1328	Uncoupling of fatty acid and glucose metabolism in malignant lymphoma: a PET study. 1999 , 80, 513-8	12
1327	Quantification of [¹¹ C]FLB 457 binding to extrastriatal dopamine receptors in the human brain. 1999 , 19, 1164-73	149
1326	Measurement of the tricarboxylic acid cycle rate in human grey and white matter in vivo by ¹ H- ¹³ C magnetic resonance spectroscopy at 4.1T. 1999 , 19, 1179-88	68
1325	Blood flow and metabolism of oligodendrogliomas: a positron emission tomography study with kinetic analysis of ¹⁸ F-fluorodeoxyglucose. 1999 , 43, 49-57	15
1324	Cellular mechanisms of brain energy metabolism and their relevance to functional brain imaging. 1999 , 354, 1155-63	545
1323	A PET study of ¹⁸ FDG uptake in soft tissue masses. 1999 , 26, 22-30	213
1322	Human cerebral acetylcholinesterase activity measured with positron emission tomography: procedure, normal values and effect of age. 1999 , 26, 135-43	69
1321	On the use of image-derived input functions in oncological fluorine-18 fluorodeoxyglucose positron emission tomography studies. 1999 , 26, 1489-92	31
1320	"Ecstasy"-induced changes of cerebral glucose metabolism and their correlation to acute psychopathology. An ¹⁸ -FDG PET study. 1999 , 26, 1572-9	16
1319	Cerebral glucose metabolic and plasma catecholamine responses to the alpha(2) adrenoceptor antagonist ethoxyidazoxan given to healthy volunteers. 1999 , 146, 119-27	4

1318	Bilateral reductions of hippocampal volume, glucose metabolism, and wada hemispheric memory performance are related to the duration of mesial temporal lobe epilepsy. 1999 , 246, 926-33	67
1317	GLLS for optimally sampled continuous dynamic system modeling: theory and algorithm. 1999 , 59, 31-43	14
1316	Changes in occipital cortex activity in early blind humans using a sensory substitution device. 1999 , 826, 128-34	94
1315	Neurometabolic effects of psilocybin, 3,4-methylenedioxyethylamphetamine (MDE) and d-methamphetamine in healthy volunteers. A double-blind, placebo-controlled PET study with [18F]FDG. 1999 , 20, 565-81	116
1314	The brain metabolic patterns of clozapine- and fluphenazine-treated female patients with schizophrenia: evidence of a sex effect. 1999 , 21, 632-40	15
1313	Diabetes mellitus and the risk of dementia: The Rotterdam Study. 1999 , 53, 1937-42	1584
1312	Use of ridge regression for improved estimation of kinetic constants from PET data. 1999 , 18, 115-25	49
1311	FDG-PET analysis and findings in amnesia resulting from hypoxia. 1999 , 7, 599-612	48
1310	Cerebral blood flow and glucose metabolism in long-term survivors of childhood acute lymphoblastic leukaemia. 1999 , 35, 1102-8	8
1309	Measurement of clinical and subclinical tumour response using [18F]-fluorodeoxyglucose and positron emission tomography: review and 1999 EORTC recommendations. European Organization for Research and Treatment of Cancer (EORTC) PET Study Group. 1999 , 35, 1773-82	1325
1308	Diabetes Decreases FDG Accumulation in Primary Lung Cancer. 1999 , 2, 281-287	27
1307	Imaging functional activation of the auditory cortex during focal repetitive transcranial magnetic stimulation of the primary motor cortex in normal subjects. 1999 , 270, 37-40	41
1306	A mathematical model for the analysis of cross-sectional brain glucose metabolism data in children. 1999 , 23, 589-600	12
1305	Alcohol induced changes in regional cerebral glucose metabolic rate during divided attention. 1999 , 26, 425-439	6
1304	Dynamic changes in glucose metabolism induced by thiamine deficiency and its replenishment as revealed by a positron autoradiography technique using rat living brain slices. 1999 , 164, 29-36	13
1303	Positron emission tomography in juvenile Alexander disease. 1999 , 165, 116-20	23
1302	Impairment of neocortical metabolism predicts progression in Alzheimer's disease. 1999 , 10, 494-504	99
1301	Potential usefulness of 18F-2-fluoro-deoxy-D-glucose positron emission tomography in cervical compressive myelopathy. 1999 , 24, 1449-54	17

1300	Uncoupling of oxygen and glucose metabolism in persistent crossed cerebellar diaschisis. 1999 , 30, 1424-8	26
1299	Effects of subcortical cerebral infarction on cortical glucose metabolism and cognitive function. 1999 , 56, 809-14	75
1298	Bound Generalized Linear Least Square (B-GLLS) Algorithm for Parametric Imaging with Pet. 2000 , 33, 303-305	
1297	Principles and technology of PET scanning. 2000 , 21, 221-4	8
1296	Influence of diabetes mellitus on regional cerebral glucose metabolism and regional cerebral blood flow. 2000 , 21, 19-29	46
1295	Connectionist modelling in psychology: a localist manifesto. 2000 , 23, 443-67; discussion 467-512	218
1294	Cerebral glucose metabolism in survivors of childhood acute lymphoblastic leukemia. 2000 , 88, 693-700	15
1293	Method to correlate 1H MRSI and 18FDG-PET. 2000 , 43, 244-50	38
1292	Toward a unified theory of narcosis: brain imaging evidence for a thalamocortical switch as the neurophysiologic basis of anesthetic-induced unconsciousness. 2000 , 9, 370-86	312
1291	Pallido-Luysio-Nigral atrophy revealed by rapidly progressive hemidystonia: a clinical, radiologic, functional, and neuropathologic study. 2000 , 15, 947-53	4
1290	Neural basis of alertness and cognitive performance impairments during sleepiness. I. Effects of 24 h of sleep deprivation on waking human regional brain activity. 2000 , 9, 335-52	760
1289	Neural modeling and functional brain imaging: an overview. 2000 , 13, 829-46	96
1288	Striatal dopaminergic transmission and neocortical glucose utilization in Alzheimer's disease: a triple-tracer positron emission tomography study. 2000 , 31, 147-158	10
1287	Alpha[C-11]methyl-L-tryptophan PET maps brain serotonin synthesis and kynurenine pathway metabolism. 2000 , 20, 2-9	122
1286	Mapping the visual recognition memory network with PET in the behaving baboon. 2000 , 20, 213-9	30
1285	Quantitative assessment of longitudinal metabolic changes in vivo after traumatic brain injury in the adult rat using FDG-microPET. 2000 , 20, 1492-501	124
1284	In vivo imaging of neuronal activation and plasticity in the rat brain by high resolution positron emission tomography (microPET). 2000 , 18, 655-60	159
1283	Planned ictal FDG PET imaging for localization of extratemporal epileptic foci. 2000 , 41, 193-200	54

1282	Newer techniques to study neonatal hypoglycemia. 2000 , 24, 116-9	9
1281	Dynamic changes in cerebral glucose metabolism in conscious infant monkeys during the first year of life as measured by positron emission tomography. 2000 , 120, 141-50	11
1280	Disturbances of spatial vision and object vision correlate differently with regional cerebral glucose metabolism in Alzheimer's disease. 2000 , 38, 1356-61	35
1279	Cellular bases of functional brain imaging: insights from neuron-glia metabolic coupling. 2000 , 886, 108-112	128
1278	Early evaluation of tumour metabolic response using [18F]fluorodeoxyglucose and positron emission tomography: a pilot study following the phase II chemotherapy schedule for temozolomide in recurrent high-grade gliomas. 2000 , 82, 608-15	99
1277	Tracer kinetic modeling in nuclear cardiology. 2000 , 7, 686-700	15
1276	Non-invasive grading of oligodendrogliomas: correlation between in vivo metabolic pattern and histopathology. 2000 , 27, 778-87	82
1275	Short dynamic FDG-PET imaging protocol for patients with lung cancer. 2000 , 27, 1538-42	30
1274	Monitoring response to therapy in cancer using [18F]-2-fluoro-2-deoxy-D-glucose and positron emission tomography: an overview of different analytical methods. 2000 , 27, 731-43	188
1273	Positron-emission tomography with [18F]fluorodeoxyglucose. Part I. Biochemical uptake mechanism and its implication for clinical studies. 2000 , 126, 549-59	134
1272	Features of regional cerebral glucose metabolism abnormality in corticobasal degeneration. 2000 , 11, 139-46	15
1271	Potential time course of human immunodeficiency virus type 1-associated minor motor deficits: electrophysiologic and positron emission tomography findings. 2000 , 57, 1601-7	65
1270	Immediate effects of risperidone on cortico-striato-thalamic loops and the hippocampus. 2000 , 177, 402-7	85
1269	Direct measurement of the lumped constant for 2-deoxy-[1-(14)C]glucose in vivo in human skeletal muscle. 2000 , 279, E228-33	10
1268	Some cautionary remarks on the localist model concept. 2000 , 23, 478-478	
1267	A population code with added grandmothers?. 2000 , 23, 495-496	1
1266	Localist representation can improve efficiency for detection and counting. 2000 , 23, 467-468	14
1265	The case against distributed representations: Lack of evidence. 2000 , 23, 476-477	2

1264	Sticking to the manifesto. 2000 , 23, 496-505	11
1263	The Study of Human Disease with Brain Mapping Methods. 2000 , 3-31	
1262	Can we do without distributed models? Not in artificial grammar learning. 2000 , 23, 484-484	1
1261	Integrating exemplars in category learning: Better late than never, but better early than late. 2000 , 23, 481-482	
1260	Neurons amongst the symbols?. 2000 , 23, 468-470	1
1259	The elementary units of meaning. 2000 , 23, 483-484	
1258	Localist network modelling in psychology: Ho-hum or hm-m-m?. 2000 , 23, 484-485	1
1257	Comparison of Different Methods for Attenuation Correction in Brain PET: Influence on the Calculation of the Metabolic Glucose Rate. 2000 , 39, 50-55	7
1256	Neural networks for selection and the Luce choice rule. 2000 , 23, 471-472	
1255	A phase transition between localist and distributed representation. 2000 , 23, 486-486	1
1254	Combining distributed and localist computations in real-time neural networks. 2000 , 23, 473-474	2
1253	Instance-based manifesto?. 2000 , 23, 482-483	10
1252	Further arguments in support of localist coding in connectionist networks. 2000 , 23, 471-471	
1251	Localism as a first step toward symbolic representation. 2000 , 23, 480-481	16
1250	Hidden Markov model interpretations of neural networks. 2000 , 23, 494-495	
1249	The many ways to distribute distributed representations. 2000 , 23, 472-473	
1248	Positron emission tomography using [(18)F]-fluorodeoxy-D-glucose to predict the pathologic response of breast cancer to primary chemotherapy. 2000 , 18, 1676-88	355
1247	Efficiency, information theory, and neural representations. 2000 , 23, 475-476	

1246 Localist but distributed representations. **2000**, 23, 478-479

1245 Some counter-examples to Page's notion of localist **2000**, 23, 470-471

1244 An extended local connectionist manifesto: Embracing relational and procedural knowledge. **2000**, 23, 492-493

1243 A competitive manifesto. **2000**, 23, 487-488

1242 Localist representations and theoretical clarity. **2000**, 23, 474-475

1241 Localist representations are a desirable emergent property of neurologically plausible neural networks. **2000**, 23, 485-486

1240 Prototypes and portability in artificial neural network models. **2000**, 23, 493-494

1239 Stipulating versus discovering representations. **2000**, 23, 489-491

13

1238 Dynamic thresholds for controlling encoding and retrieval operations in localist (or distributed) neural networks: The need for biologically plausible implementations. **2000**, 23, 488-489

1237 Functional brain imaging with PET and SPECT. **2000**, 3-26

2

1236 Why localist connectionist models are inadequate for categorization. **2000**, 23, 477-477

1

1235 The Law of Practice and localist neural network models. **2000**, 23, 479-480

4

1234 Localist models are already here. **2000**, 23, 486-487

1

1233 What is the operating point? A discourse on perceptual organisation. **2000**, 23, 491-492

1232 Lasting cortical activation after repetitive TMS of the motor cortex: a glucose metabolic study. **2000**, 54, 956-63

196

1231 In vivo veritas: probing brain function through the use of quantitative in vivo biochemical techniques. **2000**, 62, 1-24

24

1230 Visualization of biomedical processes: local quantitative physiological functions in living human body.

1229 Cellular release of [¹⁸F]2-fluoro-2-deoxyglucose as a function of the glucose-6-phosphatase enzyme system. **2000**, 275, 18489-94

54

1228	Positron emission tomography provides molecular imaging of biological processes. 2000 , 97, 9226-33	907
1227	Orbitofrontal cortex and human drug abuse: functional imaging. 2000 , 10, 334-42	269
1226	Dissociation of cerebral glucose metabolism and level of consciousness during the period of metabolic depression following human traumatic brain injury. 2000 , 17, 389-401	206
1225	Incorporating frame-to-frame coupling in simultaneous reconstruction of dynamic image sequences in PET.	
1224	Auditory processing in the vegetative state. 2000 , 123 (Pt 8), 1589-601	216
1223	Reflections on the early years of nuclear medicine. 2000 , 214, 623-9	2
1222	The astrocyte-mediated coupling between synaptic activity and energy metabolism operates through volume transmission. 2000 , 125, 229-40	17
1221	Contribution of PET studies in diagnosis of corticobasal degeneration. 2000 , 44, 12-21	9
1220	Posthypoxic reoxygenation-induced neurotoxicity prevented by free radical scavenger and NMDA/non-NMDA antagonist in tandem as revealed by dynamic changes in glucose metabolism with positron autoradiography. 2000 , 164, 269-79	6
1219	Effects of nicotine on regional cerebral glucose metabolism in awake resting tobacco smokers. 2000 , 101, 277-82	61
1218	Behavior and brain uptake of fluorodeoxyglucose in mature and aged C57BL/6 mice. 2000 , 21, 705-18	10
1217	Comparison of simplified quantitative analyses of FDG uptake. 2000 , 27, 647-55	127
1216	Anatomy of SUV. Standardized uptake value. 2000 , 27, 643-6	349
1215	[123I]IPCIT and [123I]beta-CIT as SPECT tracers for the dopamine transporter: a comparative analysis in nonhuman primates. 2000 , 27, 13-21	3
1214	Synthesis and preliminary evaluation of (18)F-labeled 4-thia palmitate as a PET tracer of myocardial fatty acid oxidation. 2000 , 27, 221-31	50
1213	Cortical activity related to accuracy of letter recognition. 2000 , 11, 111-23	52
1212	A Brief History of Human Functional Brain Mapping. 2000 , 33-75	25
1211	Preoperative Brain Mapping. 2000 , 59-76	1

1210	Role of radionuclide imaging in trials of antiangiogenic therapy. 2000 , 7, 851-67	31
1209	Non-invasive extraction of physiological parameters in quantitative PET studies using simultaneous estimation and cluster analysis.	
1208	Cerebral metabolic and cognitive decline in persons at genetic risk for Alzheimer's disease. 2000 , 97, 6037-42	610
1207	. 2000 , 47, 1233-1241	1
1206	Optimal image sampling schedule for both image-derived input and output functions in PET cardiac studies. 2000 , 19, 233-42	9
1205	Combined PET/CT Imaging in Oncology. Impact on Patient Management. 2000 , 3, 223-230	159
1204	Regional metabolic effects of fluoxetine in major depression: serial changes and relationship to clinical response. 2000 , 48, 830-43	907
1203	Reduced cerebral glucose metabolism in subjects with incidental hyperintensities on magnetic resonance imaging. 2000 , 176, 21-7	19
1202	Effects of single and repetitive spreading depression on cerebral blood flow and glucose metabolism in cats: a PET study. 2000 , 176, 114-23	22
1201	Comparison of regional cerebral blood flow and glucose metabolism in the normal brain: effect of aging. 2000 , 181, 19-28	144
1200	Low cerebral glucose extraction rates in the human medial temporal cortex and cerebellum. 2000 , 172, 41-8	21
1199	Single photon emission CT and positron emission tomography in the evaluation of neurologic disease. 2001 , 39, 1007-33	10
1198	Positron emission tomography instrumentation. 2001 , 39, 919-29	13
1197	Regulation of Muscle Glucose Uptake In Vivo. 2001 , 803-845	4
1196	Real-time functional magnetic resonance imaging. 2001 , 25, 201-20	42
1195	Application of positron emission tomography for evaluation of metabolism and blood flow in human brain: normal development, aging, dementia, and stroke. 2001 , 74, 128-38	33
1194	Voxel-based mapping of brain hypometabolism in permanent amnesia with PET. 2001 , 13, 1164-73	52
1193	Oxidative metabolism and the detection of neuronal activation via imaging. 2001 , 22, 43-52	49

1192	Estrogen use and brain metabolic change in older adults. A preliminary report. 2001 , 107, 11-8	37
1191	Positron emission tomography in pallido-ponto-nigral degeneration (PPND) family (frontotemporal dementia with parkinsonism linked to chromosome 17 and point mutation in tau gene). 2001 , 7, 81-88	24
1190	Kinetic characterization of hexokinase isoenzymes from glioma cells: implications for FDG imaging of human brain tumors. 2001 , 28, 107-16	42
1189	Acquisition of a novel vocabulary in an amnesic patient. 2001 , 7, 283-93	29
1188	Metabolic characterization of spinocerebellar ataxia type 6. 2001 , 58, 300-4	38
1187	Physiological Modelling of Positron Emission Tomography Images. 2001 , 179-211	2
1186	The Use of PET in Evaluating Tumor Response and Cancer Therapy. 2001 , 14, 361-367	
1185	Heterogeneity of metabolic activity in the canine parasternal intercostals during breathing. 2001 , 90, 811-5	13
1184	Kinetic modeling of [(18)F]FDG in skeletal muscle by PET: a four-compartment five-rate-constant model. 2001 , 281, E524-36	66
1183	Age-related changes in energy production in fresh senescence-accelerated mouse brain slices as revealed by positron autoradiography. 2001 , 12, 78-84	10
1182	Long-term effects of 'ecstasy' abuse on the human brain studied by FDG PET. 2001 , 22, 889-97	55
1181	The effects of mesial temporal and cerebellar hypometabolism on learning and memory. 2001 , 7, 353-62	8
1180	Metabolic recovery following human traumatic brain injury based on FDG-PET: time course and relationship to neurological disability. 2001 , 16, 135-48	154
1179	The effects of ECT on brain glucose: a pilot FDG PET study. 2001 , 17, 33-40	51
1178	Hypoglycemia activates compensatory mechanism of glucose metabolism of brain. 2001 , 52, 35-45	7
1177	Influence of apoE Genotype and PET Brain Imaging on Preclinical Prediction of Alzheimer's Disease. 193-203	1
1176	Entorhinal cortex disruption causes memory deficit in early Alzheimer's disease as shown by PET. 2001 , 12, 683-5	64
1175	A flexible image segmentation prior to parametric estimation. 2001 , 25, 501-6	5

1174	Study of the brain serotonergic system with labeled alpha-methyl-L-tryptophan. 2001 , 78, 1185-200	90
1173	Radioassays and experimental evaluation of dose calibrator settings for 18F. 2001 , 54, 113-22	21
1172	Brain extracellular glucose assessed by voltammetry throughout the rat sleep-wake cycle. 2001 , 13, 1429-34	54
1171	Resting regional cerebral glucose metabolism in advanced Parkinson's disease studied in the off and on conditions with [(18)F]FDG-PET. 2001 , 16, 1014-22	94
1170	Activation of frontal premotor areas during suprathreshold transcranial magnetic stimulation of the left primary sensorimotor cortex: a glucose metabolic PET study. 2001 , 12, 157-67	79
1169	Human adipose tissue glucose uptake determined using [(18)F]-fluoro-deoxy-glucose ([(18)F]FDG) and PET in combination with microdialysis. 2001 , 44, 2171-9	81
1168	Discordance between cerebral oxygen and glucose metabolism, and hemodynamics in a mitochondrial encephalomyopathy, lactic acidosis, and strokelike episode patient. 2001 , 11, 325-9	25
1167	Serial changes in cerebral blood flow and flow-metabolism uncoupling in primates with acute thromboembolic stroke. 2001 , 21, 202-10	47
1166	Differentiation of glucose transport in human brain gray and white matter. 2001 , 21, 483-92	79
1165	Positron emission tomography compartmental models. 2001 , 21, 635-52	382
1164	The (18)F-fluorodeoxyglucose lumped constant determined in human brain from extraction fractions of (18)F-fluorodeoxyglucose and glucose. 2001 , 21, 995-1002	26
1163	Cerebral glucose transport implies individualized glial cell function. 2001 , 21, 1160-70	10
1162	Positron-emission tomographic imaging of cancer: glucose metabolism and beyond. 2001 , 11, 16-27	44
1161	Simultaneous estimation of physiological parameters and the input function--in vivo PET data. 2001 , 5, 67-76	54
1160	Anterior cingulate metabolism correlates with stroop errors in paranoid schizophrenia patients. 2001 , 25, 139-48	45
1159	In vivo functional imaging with SPECT and PET. 2001 , 89, 203-214	5
1158	Cerebral blood flow and glucose metabolism in hypothyroidism: a positron emission tomography study. 2001 , 86, 3864-70	117
1157	Prognostic predictive value of 18F-fluorodeoxyglucose positron emission tomography for patients with pancreatic cancer. 2001 , 19, 53-8	27

1156	Clustering Massive Datasets With Application in Software Metrics and Tomography. 2001 , 43, 336-346	22
1155	Brain metabolic and clinical effects of rivastigmine in Alzheimer's disease. 2001 , 4, 223-30	114
1154	Correlating in vivo anaesthetic effects with ex vivo receptor density data supports a GABAergic mechanism of action for propofol, but not for isoflurane. 2001 , 86, 618-26	53
1153	Relations between hypometabolism in the posterior association neocortex and hippocampal atrophy in Alzheimer's disease: a PET/MRI correlative study. 2001 , 71, 315-21	52
1152	Changes in regional brain (18)F-fluorodeoxyglucose uptake at hypoglycemia in type 1 diabetic men associated with hypoglycemia unawareness and counter-regulatory failure. 2001 , 50, 2329-36	57
1151	Regulation of clock and NPAS2 DNA binding by the redox state of NAD cofactors. 2001 , 293, 510-4	809
1150	Occipital glucose metabolism in dementia with lewy bodies with and without Parkinsonism: a study using positron emission tomography. 2001 , 12, 194-7	66
1149	Cerebral glucose metabolism measured by positron emission tomography in term newborn infants with hypoxic ischemic encephalopathy. 2001 , 49, 495-501	61
1148	Cross-validation stopping rule for ML-EM reconstruction of dynamic PET series: effect on image quality and quantitative accuracy. 2001 , 48, 883-889	30
1147	Optimal design in dynamic PET data acquisition: a new approach using simulated annealing and component-wise Metropolis updating. 2002 , 49, 2291-2296	5
1146	PET scanning and the solitary pulmonary nodule. 2002 , 14, 268-74	20
1145	Immediate and delayed effects of risperidone on cerebral metabolism in neuroleptic naïve schizophrenic patients: correlations with symptom change. 2002 , 72, 106-10	49
1144	How can we measure substrate, metabolite and neurotransmitter concentrations in the human brain?. 2002 , 23, R75-109	27
1143	The role of insulin in human brain glucose metabolism: an 18fluoro-deoxyglucose positron emission tomography study. 2002 , 51, 3384-90	229
1142	Evaluation of the reliability in kinetic analysis for dual tracer injection of FDG and flumazenil PET study.	4
1141	The functional neuroanatomy of the placebo effect. 2002 , 159, 728-37	570
1140	A PET study of the pathophysiology of negative symptoms in schizophrenia. Positron emission tomography. 2002 , 159, 227-37	154
1139	Bilateral human fetal striatal transplantation in Huntington's disease. 2002 , 58, 687-95	208

1138	Residual cerebral activity and behavioural fragments can remain in the persistently vegetative brain. 2002 , 125, 1210-34	255
1137	Intracerebroventricular corticotropin-releasing factor increases limbic glucose metabolism and has social context-dependent behavioral effects in nonhuman primates. 2002 , 99, 15749-54	61
1136	Glucose uptake and perfusion in subcutaneous and visceral adipose tissue during insulin stimulation in nonobese and obese humans. 2002 , 87, 3902-10	215
1135	Subcortical hyperintensities in Alzheimer's disease: associated clinical and metabolic findings. 2002 , 14, 262-9	6
1134	Frontal hypometabolism does not explain inhibitory dysfunction in Alzheimer disease. 2002 , 16, 228-38	36
1133	Use of linearity of the Sokoloff model to improve performance of non-linear search. 2002 , 23, 181-5	
1132	The neural substrates of episodic memory impairment in Alzheimer's disease as revealed by FDG-PET: relationship to degree of deterioration. 2002 , 125, 1116-24	120
1131	Biophysical basis of brain activity: implications for neuroimaging. 2002 , 35, 287-325	64
1130	MOLECULARIMAGING WITHPOSITRONEMISSIONTOMOGRAPHY. 2002 , 52, 303-338	33
1129	Gender differences in cerebral glucose metabolism: a PET study. 2002 , 199, 79-83	64
1128	Cerebral metabolic changes in early multiple system atrophy: a PET study. 2002 , 200, 79-84	55
1127	In vivo quantification of localized neuronal activation and inhibition in the rat brain using a dedicated high temporal-resolution beta +-sensitive microprobe. 2002 , 99, 10807-12	28
1126	. 2002 , 49, 2338-2343	9
1125	Optimal design in PET data acquisition: a new approach using simulated annealing and component-wise Metropolis updating.	
1124	Monitoring the correction of glycogen storage disease type 1a in a mouse model using [(18)F]FDG and a dedicated animal scanner. 2002 , 71, 1293-301	9
1123	Improved parametric image generation using spatial-temporal analysis of dynamic PET studies. 2002 , 15, 697-707	47
1122	Increased FDG uptake in the ipsilesional sensorimotor cortex in congenital hemiplegia. 2002 , 15, 949-60	14
1121	The Metabolic Substrates of Bradykinesia and Tremor in Uncomplicated Parkinson's Disease. 2002 , 17, 688-699	35

1120	The neural basis of intrusions in free recall and cued recall: a PET study in Alzheimer's disease. 2002 , 17, 1658-64	44
1119	Determination of regional cerebral function with FDG-PET imaging in neuropsychiatric disorders. 2002 , 32, 13-34	31
1118	Positron emission tomography: the conceptual idea using a multidisciplinary approach. 2002 , 27, 195-207	34
1117	Measurement of glucose consumption using [(18)F]fluorodeoxyglucose. 2002 , 27, 218-25	63
1116	Positron emission tomography: quantitative measurement of brain acetylcholinesterase activity using radiolabeled substrates. 2002 , 27, 242-50	17
1115	Kinetics of 3'-deoxy-3'-[F-18]fluorothymidine uptake and retention in dogs. 2002 , 4, 83-9	35
1114	Brain glucose metabolism in Rett Syndrome. 2002 , 27, 117-22	21
1113	Cerebral networks in sensorimotor stroke. 2002 , 1226, 131-141	
1112	The role of neuronal nitric oxide in the regional neurovascular coupling. 2002 , 1235, 197-204	1
1111	Energy metabolism in the brain. 2002 , 51, 1-102	111
1110	Imaging Brain Function with Positron Emission Tomography. 2002 , 485-511	7
1109	Time and Space. 2002 , 33-46	2
1108	Glucose metabolism in the amygdala in depression: relationship to diagnostic subtype and plasma cortisol levels. 2002 , 71, 431-47	371
1107	Generalized linear least squares algorithms for modeling glucose metabolism in the human brain with corrections for vascular effects. 2002 , 68, 1-14	11
1106	Age-related changes in cerebral blood flow and glucose metabolism in conscious rhesus monkeys. 2002 , 936, 76-81	76
1105	Brain metabolic effects of Neotrofin in patients with Alzheimer's disease. 2002 , 951, 87-95	20
1104	A method for measuring cerebral glucose metabolism in vivo by ¹³ C-NMR spectroscopy. 2002 , 48, 1063-7	16
1103	Dynamic activity-induced manganese-dependent contrast magnetic resonance imaging (DAIM MRI). 2002 , 48, 927-33	120

1102	Effect of postprandial hyperglycaemia in non-invasive measurement of cerebral metabolic rate of glucose in non-diabetic subjects. 2002 , 29, 248-50	6
1101	Use of arterialised venous instead of arterial blood for measurement of myocardial glucose metabolism during euglycaemic-hyperinsulinaemic clamping. 2002 , 29, 663-9	23
1100	Negligible glucose-6-phosphatase activity in cultured astroglia. 2000 , 74, 1400-8	27
1099	Regional analyses of CNS microdialysate glucose and lactate in seizure patients. 2002 , 43, 1360-71	25
1098	2-[(18)F]fluoro-2-deoxy-D-glucose combined with microdialysis can be used for the comparison of tissue glucose metabolism in obese and lean rats. 2002 , 4, 60-8	4
1097	Brain glucose hypometabolism after perirhinal lesions in baboons: implications for Alzheimer disease and aging. 2002 , 22, 1248-61	23
1096	Positron emission tomography compartmental models: a basis pursuit strategy for kinetic modeling. 2002 , 22, 1425-39	148
1095	Dose-response relationship between probability of pathologic tumor control and glucose metabolic rate measured with FDG PET after preoperative chemoradiotherapy in locally advanced non-small-cell lung cancer. 2002 , 54, 1024-35	111
1094	Functional brain imaging of childhood clinical disorders with PET and SPECT. 2002 , 5, 344-360	
1093	Metabolism and the control of circadian rhythms. 2002 , 71, 307-31	332
1092	In vivo neurochemistry with emission tomography and magnetic resonance spectroscopy: clinical applications. 2002 , 12, 2582-99	8
1091	Heterosexual male perpetrators of childhood sexual abuse: a preliminary neuropsychiatric model. 2002 , 73, 313-36	83
1090	In vivo brain imaging of tangle burden in humans. 2002 , 19, 323-7	40
1089	Use of positron emission tomography in anticancer drug development. 2003 , 21, 169-81	26
1088	Multitracer study with positron emission tomography in Creutzfeldt-Jakob disease. 2003 , 30, 85-95	82
1087	Measuring [(18)F]FDG uptake in breast cancer during chemotherapy: comparison of analytical methods. 2003 , 30, 674-81	72
1086	Spectral analysis: principle and clinical applications. 2003 , 17, 427-34	7
1085	FDG-PET imaging of lower extremity muscular activity during level walking. 2003 , 8, 55-61	34

1084	Staging of head and neck tumors: [18F]fluorodeoxyglucose positron emission tomography compared with physical examination and conventional imaging modalities. 2003 , 61, 1022-9	58
1083	A PET study following treatment with a pharmacological stressor, FG7142, in conscious rhesus monkeys. 2003 , 980, 275-80	20
1082	Positron emission tomography and its use to image the occupancy of drug binding sites. 2003 , 59, 194-207	10
1081	Limbic hypometabolism in Alzheimer's disease and mild cognitive impairment. <i>Annals of Neurology</i> , 2003 , 54, 343-51	9-4 331
1080	In vivo 1H-[13C]-NMR spectroscopy of cerebral metabolism. 2003 , 16, 339-57	120
1079	Detection of response to chemotherapy using positron emission tomography in patients with oesophageal and gastric cancer. 1998 , 85, 1403-6	73
1078	D1 receptor alleles predict PET metabolic correlates of clinical response to clozapine. 2003 , 8, 109-13	78
1077	Lactate: a preferred fuel for human brain metabolism in vivo. 2003 , 23, 658-64	195
1076	Capillaries within compartments: microvascular interpretation of dynamic positron emission tomography data. 2003 , 225, 127-41	15
1075	Gender-specific differences of hypometabolism in mTLE: implication for cognitive impairments. 2003 , 44, 1551-61	26
1074	Coupling of theta activity and glucose metabolism in the human rostral anterior cingulate cortex: an EEG/PET study of normal and depressed subjects. 2003 , 40, 939-49	256
1073	Donepezil HCl (E2020) Maintains Functional Brain Activity in Patients With Alzheimer Disease: Results of a 24-Week, Double-Blind, Placebo-Controlled Study. 2003 , 11, 169-177	72
1072	Neural basis of alertness and cognitive performance impairments during sleepiness: II. Effects of 48 and 72 h of sleep deprivation on waking human regional brain activity. 2003 , 2, 199-229	16
1071	Principles of tracer kinetic analysis. 2003 , 13, 689-704	12
1070	Induction of metabolic hypofunction and neurochemical deficits after chronic intermittent exposure to phencyclidine: differential modulation by antipsychotic drugs. 2003 , 28, 265-75	199
1069	Impaired thalamocortical connectivity in humans during general-anesthetic-induced unconsciousness. 2003 , 19, 402-11	164
1068	Mapping of brain function after MPTP-induced neurotoxicity in a primate Parkinson's disease model. 2003 , 20, 1064-75	50
1067	Quantitative positron emission tomography imaging to measure tumor response to therapy: what is the best method?. 2003 , 5, 281-5	30

1066	PET scan in the staging of non-small cell lung cancer. 2003 , 42 Suppl 1, S27-37	32
1065	Role of acetyl-L-carnitine in the brain: revealed by Bioradiography. 2003 , 306, 1064-9	21
1064	FDG-PET findings in the Wernicke-Korsakoff syndrome. 2003 , 39, 1027-45	126
1063	Resting-state brain glucose utilization as measured by PET is directly related to regional synaptophysin levels: a study in baboons. 2003 , 20, 1894-8	138
1062	Proton magnetic resonance spectroscopic imaging of the brain in childhood autism. 2003 , 54, 1355-66	86
1061	Imaging methods for evaluating brain function in man. 2003 , 24 Suppl 1, S21-35; discussion S37-9	43
1060	Individual differences in general intelligence correlate with brain function during nonreasoning tasks. 2003 , 31, 429-441	124
1059	Positron emission tomography and single photon emission computed tomography in epilepsy care. 2003 , 33, 88-104	45
1058	Measurement of the global lumped constant for 2-deoxy-2-[18F]fluoro-D-glucose in normal human brain using [15O]water and 2-deoxy-2-[18F]fluoro-D-glucose positron emission tomography imaging. A method with validation based on multiple methodologies. 2003 , 5, 32-41	49
1057	Anatomomolecular imaging with 2-deoxy-2-[18F]fluoro-D-glucose: bench to outpatient center. 2003 , 5, 49-56	7
1056	Cerebral metabolism and consciousness. 2003 , 326, 253-73	42
1055	The use of gene-manipulated mice in the validation of receptor binding radiotracer. 2003 , 30, 851-60	17
1054	Instrumentation in positron emission tomography. 2003 , 13, 659-69	6
1053	Distributed versus compartment models for PET receptor studies. 2003 , 22, 11-21	14
1052	A new automatic detection approach for hepatocellular carcinoma using C-acetate positron emission tomography.	
1051	A linear wavelet filter for parametric imaging with dynamic PET. 2003 , 22, 289-301	56
1050	Effect of N-(4-Acetyl-1-piperazinyl)-p-fluorobenzamide monohydrate (FK960), an antidementia drug with a novel mechanism of action, on regional cerebral blood flow and glucose metabolism in aged rhesus macaques studied with positron emission tomography. 2003 , 306, 213-7	4
1049	The topography of metabolic deficits in posterior cortical atrophy (the visual variant of Alzheimer's disease) with FDG-PET. 2003 , 74, 1521-9	142

1048	Cardiac PET imaging of blood flow, metabolism and function in normal and infarcted rats.	
1047	Weight loss-induced plasticity of glucose transport and phosphorylation in the insulin resistance of obesity and type 2 diabetes. 2003 , 52, 1619-26	30
1046	PET imaging of 5-HT1A receptor binding in patients with temporal lobe epilepsy. 2003 , 60, 749-56	195
1045	Progressive non-fluent aphasia is associated with hypometabolism centred on the left anterior insula. 2003 , 126, 2406-18	254
1044	A noninvasive LSO-APD blood radioactivity monitor for PET imaging studies. 2003 , 50, 1457-1461	3
1043	Intravenous nicotine reduces cerebral glucose metabolism: a preliminary study. 2003 , 28, 765-72	35
1042	Neural basis of alertness and cognitive performance impairments during sleepiness II. Effects of 48 and 72 h of sleep deprivation on waking human regional brain activity. 2003 , 2, 199	80
1041	Persistent vegetative state: evaluation of brain metabolism and brain perfusion with PET and SPECT. 2003 , 24, 643-9	39
1040	Parameter estimation with discrete linear least squares method. 2003 , 36, 135-138	
1039	PET scan in the interictal period: its contribution to evaluation of the functional-deficit and epileptogenic zones. 2003 , 219-244	
1038	Delusional thoughts and regional frontal/temporal cortex metabolism in Alzheimer's disease. 2003 , 160, 341-9	140
1037	Kinetic Modeling in Positron Emission Tomography. 2004 , 499-540	44
1036	Advances in neuroimaging for HIV-1 associated neurological dysfunction: clues to the diagnosis, pathogenesis and therapeutic monitoring. 2004 , 2, 61-78	34
1035	Metabolic neuroimaging of the cervical spinal cord in patients with compressive myelopathy: a high-resolution positron emission tomography study. 2004 , 1, 72-9	37
1034	Blind identification of the kinetic parameters in three-compartment models. 2004 , 49, 639-64	15
1033	Mood disturbances and regional cerebral metabolic abnormalities in recently abstinent methamphetamine abusers. 2004 , 61, 73-84	308
1032	Modulation of cortical-limbic pathways in major depression: treatment-specific effects of cognitive behavior therapy. 2004 , 61, 34-41	788
1031	The contribution of small animal positron emission tomography to the neurosciences--a critical evaluation. 2004 , 15, 131-56	7

1030 PET kinetic modeling without the need of input curve.

1029 Acetylcholinesterase imaging: its use in therapy evaluation and drug design. **2004**, 10, 1505-17 36

1028 Selective metabolic reduction in gray matter acutely following human traumatic brain injury. **2004**, 21, 149-61 89

1027 Brain surface extraction from PET images with deformable model: assessment using Monte Carlo simulator.

1026 Acute alcohol effects on neuronal and attentional processing: striatal reward system and inhibitory sensory interactions under acute ethanol challenge. **2004**, 29, 1527-37 51

1025 3-Nitropropionic acid-induced neurotoxicity--assessed by ultra high resolution positron emission tomography with comparison to magnetic resonance spectroscopy. **2004**, 89, 1206-14 27

1024 Functional but not structural subgenual prefrontal cortex abnormalities in melancholia. **2004**, 9, 393-405 298

1023 SOL-1 is a CUB-domain protein required for GLR-1 glutamate receptor function in *C. elegans*. **2004**, 427, 451-7 110

1022 Species-specific calls evoke asymmetric activity in the monkey's temporal poles. **2004**, 427, 448-51 289

1021 In vivo measurement of glucose utilization in rats using a beta-microprobe: direct comparison with autoradiography. **2004**, 24, 1015-24 9

1020 Noninvasive quantification of the differential portal and arterial contribution to the liver blood supply from PET measurements using the ¹¹C-acetate kinetic model. **2004**, 51, 1579-85 14

1019 Quantitative PET cerebral glucose metabolism estimates using a single non-arterialized venous-blood sample. **2004**, 18, 297-302 26

1018 Measuring response to chemotherapy in locally advanced breast cancer: methodological considerations. **2004**, 31 Suppl 1, S103-11 36

1017 Estimating the input function non-invasively for FDG-PET quantification with multiple linear regression analysis: simulation and verification with in vivo data. **2004**, 31, 692-702 15

1016 Functional coupling of simultaneous electrical and metabolic activity in the human brain. **2004**, 21, 257-70 173

1015 Executive processes in Parkinson's disease: FDG-PET and network analysis. **2004**, 22, 236-45 86

1014 Tissue-specific differences in 2-fluoro-2-deoxyglucose metabolism beyond FDG-6-P: a ¹⁹F NMR spectroscopy study in the rat. **2004**, 17, 206-7; author reply 208 0

1013 Cardiac PET imaging of blood flow, metabolism, and function in normal and infarcted rats. **2004**, 51, 696-704 12

1012	An adaptation of ridge regression for improved estimation of kinetic model parameters from PET studies.	
1011	Assessment of brain surface extraction from PET images using Monte Carlo Simulations. 2004 , 51, 2641-2648	4
1010	Parametrically defined cerebral blood vessels as non-invasive blood input functions for brain PET studies. 2004 , 49, 1033-54	17
1009	The role of positron emission tomography with [18F]fluorodeoxyglucose in the evaluation of the epilepsies. 2004 , 14, 517-35, ix	24
1008	Quantification in PET. 2004 , 42, 1055-62, viii	41
1007	Electronic Generators. 2004 , 217-269	1
1006	Molecular Imaging of Biological Processes with PET: Evaluating Biologic Bases of Cerebral Function. 2004 , 509-583	10
1005	The Molecular Basis of Disease. 2004 , 270-320	2
1004	Biological studies of radiolabeled glucose analogues iodinated in positions 3, 4 or 6. 2004 , 31, 241-50	12
1003	Investigation of a new input function validation approach for dynamic mouse microPET studies. 2004 , 6, 34-46	25
1002	Role of lactate in the brain energy metabolism: revealed by Bioradiography. 2004 , 48, 13-20	17
1001	Simultaneous quantification of two brain functions with dual tracer injection in PET dynamic study. 2004 , 1265, 74-78	8
1000	Quantitative PET for assessment of cerebral blood flow and glucose consumption under varying physiological conditions. 2004 , 1265, 189-200	1
999	Tracer kinetic modeling of 11C-acetate applied in the liver with positron emission tomography. 2004 , 23, 426-32	29
998	Brain Energy Metabolism. 2004 , 67-89	7
997	2-deoxy-fluorglucose-positron emission tomography imaging of the brain: current clinical applications with emphasis on the dementias. 2004 , 34, 300-12	13
996	Amygdalar interhemispheric functional connectivity differs between the non-depressed and depressed human brain. 2004 , 21, 674-86	74
995	Bootstrapped DEPICT for error estimation in PET functional imaging. 2004 , 21, 1096-104	10

994	Activation in the premotor cortex during mental calculation in patients with Alzheimer's disease: relevance of reduction in posterior cingulate metabolism. 2004 , 22, 155-63	13
993	Cognitive- and motor-related regions in Parkinson's disease: FDOPA and FDG PET studies. 2004 , 22, 553-61	71
992	Quantification in positron emission tomography for research in pharmacology and drug development. 2004 , 25, 643-6	30
991	Relationships between oxygen and glucose metabolism in human liver tumours: positron emission tomography using (15)O and (18)F-deoxyglucose. 2004 , 25, 577-83	20
990	Using kinetic parameters analysis of dynamic PET studies for liver image segmentation. 2004 ,	
989	Quantification in clinical fluorodeoxyglucose positron emission tomography. 2004 , 25, 647-50	16
988	Metabolic measurement techniques to assess bone fracture healing: a preliminary study. 2004 , 231-8	1
987	Effects of subanesthetic ketamine on regional cerebral glucose metabolism in humans. 2004 , 100, 1065-71	92
986	Mesure par TEP du débit sanguin et du métabolisme cérébral régional et des paramètres de neurotransmission chez l'homme. 2004 , 1, 1-6	
985	Quantitative Functional Imaging with Positron Emission Tomography: Principles and Instrumentation. 2005 , 57-116	1
984	Quantification method in [18F]fluorodeoxyglucose brain positron emission tomography using independent component analysis. 2005 , 26, 995-1004	32
983	Computer phantom study of brain PET glucose metabolism imaging using a rotating SPECT/PET camera. 2005 , 35, 511-531	3
982	Reliability of one-point blood sampling method for calculating input function in Na18F PET. 2005 , 26, 519-25	5
981	Energy Metabolism in Neural Tissues in vivo at Rest and in Functionally Altered States. 2005 , 11-30	3
980	Positron Emission Tomography. 2005 , 35-48	1
979	Chloramphenicol decreases brain glucose utilization and modifies the sleep-wake cycle architecture in rats. 2005 , 93, 1623-32	7
978	Glycolysis versus TCA cycle in the primate brain as measured by combining 18F-FDG PET and 13C-NMR. 2005 , 25, 1418-23	30
977	Supraphysiological doses of levothyroxine alter regional cerebral metabolism and improve mood in bipolar depression. 2005 , 10, 456-69	119

976	State-of-the-Art FDG-PET imaging of lung cancer. 2005 , 40, 143-53	27
975	Thalamic hypofunction in alcohol hallucinosis: FDG PET findings. 2005 , 139, 259-62	15
974	Preliminary findings of uncoupling of flow and metabolism in unipolar compared with bipolar affective illness and normal controls. 2005 , 140, 181-98	33
973	Extraction of a plasma time-activity curve from dynamic brain PET images based on independent component analysis. 2005 , 52, 201-10	91
972	[Positron emission tomography/computed tomography (PET/CT): present and future of a new imaging technique in oncology]. 2005 , 77, 111-3	0
971	Noninvasive mapping of regional response to segmental allergen challenge using magnetic resonance imaging and [F-18]fluorodeoxyglucose positron emission tomography. 2005 , 53, 1243-50	9
970	Dual-phase 18F-fluoro-2-deoxy-D-glucose positron emission tomography as a prognostic parameter in patients with pancreatic cancer. 2005 , 32, 389-97	50
969	[Positron emission tomography in neuroscience. An integrative part of clinical diagnostic methods and experimental research]. 2005 , 45, 186, 188-96	5
968	Differential changes in brain glucose metabolism during hypoglycaemia accompany loss of hypoglycaemia awareness in men with type 1 diabetes mellitus. An [11C]-3-O-methyl-D-glucose PET study. 2005 , 48, 2080-9	56
967	Study of myocardial glucose metabolism in rats with PET using wavelet analysis techniques. 2005 , 29, 357-65	5
966	Small animal positron emission tomography in food sciences. 2005 , 29, 355-76	7
965	PET evaluation of the relationship between D2 receptor binding and glucose metabolism in patients with parkinsonism. 2005 , 19, 267-75	11
964	An internet-based "kinetic imaging system" (KIS) for MicroPET. 2005 , 7, 330-41	40
963	Differences in regional brain metabolism associated with marijuana abuse in methamphetamine abusers. 2005 , 57, 113-5	24
962	Imaging in Drug Discovery and Early Clinical Trials. 2005 ,	
961	Facilitation of task performance and removal of the effects of sleep deprivation by an ampakine (CX717) in nonhuman primates. 2005 , 3, e299	123
960	Metabolic patterns associated with the clinical response to galantamine therapy: a fludeoxyglucose f 18 positron emission tomographic study. 2005 , 62, 721-8	104
959	Practical Nuclear Medicine. 2005 ,	14

958	Metabolic monitoring of chemosensitivity with 18FDG PET. 2005 , 111, 417-40	7
957	Functional brain imaging alterations in acne patients treated with isotretinoin. 2005 , 162, 983-91	87
956	Quantitative assessment of glucose transport in human skeletal muscle: dynamic positron emission tomography imaging of [O-methyl-11C]3-O-methyl-D-glucose. 2005 , 90, 1752-9	18
955	Comparative overview of brain perfusion imaging techniques. 2005 , 36, e83-99	317
954	Imaging detailed glucose metabolism in the brain using MAP estimation in Positron Emission Tomography. 2005 , 2005, 4477-9	1
953	Kinetic modeling of PET data without blood sampling. 2005 , 52, 697-702	14
952	Chemosensitivity: Volume II. 2005 ,	3
951	Tracer Kinetic Modeling in PET. 2005 , 127-159	48
950	Conscious in a Vegetative State? A Critique of the PVS Concept. 2005 ,	2
949	Progress and promise of FDG-PET imaging for cancer patient management and oncologic drug development. 2005 , 11, 2785-808	512
948	Calling for help is independently modulated by brain systems underlying goal-directed behavior and threat perception. 2005 , 102, 4176-9	44
947	Malignant melanoma: PET/CT as a staging procedure. 2006 , 39, 159-170	2
946	Glucose metabolism in brain tumours can be estimated using [18F]2-fluorodeoxyglucose positron emission tomography and a population-derived input function scaled using a single arterialised venous blood sample. 2005 , 26, 1377-83	10
945	An integrated microfluidic blood sampler for determination of blood input function in quantitative mouse microPET studies.	1
944	Wavelet variance components in image space for spatiotemporal neuroimaging data. 2005 , 25, 159-68	16
943	Frontal Lobe Hypometabolism and Impaired Insight in Alzheimer Disease. 2005 , 13, 934-941	54
942	Comparative overview of brain perfusion imaging techniques. 2005 , 32, 294-314	124
941	[Metabolic imaging for supratentorial oligodendrogliomas]. 2005 , 51, 309-22	4

940	PET imaging in the assessment of normal and impaired cognitive function. 2005 , 43, 67-77, x	38
939	Positron Emission Tomography. 2005 ,	209
938	Right ventral frontal hypometabolism and abnormal sense of self in a case of disproportionate retrograde amnesia. 2005 , 22, 1005-34	43
937	Graph-based Mumford-Shah segmentation of dynamic PET with application to input function estimation. 2005 , 52, 79-89	26
936	An adaptation of ridge regression for improved estimation of kinetic model parameters from PET studies. 2005 , 52, 63-68	18
935	Molecular Reporter Systems. 2005 , 141-209	
934	Design of Molecular Imaging Probes. 2005 , 210-256	
933	Auditory cortical activation and speech perception in cochlear implant users: effects of implant experience and duration of deafness. 2005 , 205, 184-92	69
932	A method to quantify at late imaging a release rate of 18F-FDG in tissues. 2005 , 328, 767-72	12
931	Estrogen use and brain metabolic change in postmenopausal women. 2005 , 26, 229-35	85
930	True tracers: comparing FDG with glucose and FLT with thymidine. 2005 , 32, 663-71	79
929	Cerebral metabolic dysfunction and impaired vigilance in recently abstinent methamphetamine abusers. 2005 , 58, 770-8	107
928	Brain regions associated with the expression and contextual regulation of anxiety in primates. 2005 , 58, 796-804	133
927	Effects of vinpocetine on the redistribution of cerebral blood flow and glucose metabolism in chronic ischemic stroke patients: a PET study. 2005 , 229-230, 275-84	37
926	Direct reconstruction of kinetic parameter images from dynamic PET data. 2005 , 24, 636-50	166
925	Handbook of Biomedical Image Analysis. 2005 ,	13
924	Imaging in breast cancer: Single-photon computed tomography and positron-emission tomography. 2005 , 7, 153-62	66
923	Nursery Rearing of Nonhuman Primates in the 21st Century. 2006 ,	8

922	A Fast Method for Kinetic Parameter Estimation. 2006,	1
921	Quantitative Analysis in Nuclear Medicine Imaging. 2006,	64
920	Declarative memory impairments in Alzheimer's disease and semantic dementia. 2006, 30, 1010-20	295
919	Multi-resolution Bayesian regression in PET dynamic studies using wavelets. 2006, 32, 111-21	36
918	PET Imaging of Breast Cancer: Beyond Standard FDG Studies. 2006, 9, 146-154	
917	Changes in Glucose Metabolism and Blood Flow Following Chemotherapy for Breast Cancer. 2006, 1, 71-81	16
916	Positron emission tomography of the brain. 2006, 16, 591-603, viii	4
915	Frontal lobe metabolic decreases with sleep deprivation not totally reversed by recovery sleep. 2006, 31, 2783-92	107
914	Feasibility of an SUV normalization to 1 hour after the 18F-FDG injection. 2006, 329, 520-6	
913	. 2006,	1
912	. 2006,	1
911	PET: Metabolism, Innervation and Receptors. 99-117	
910	Perceived loss of memory ability and cerebral metabolic decline in persons with the apolipoprotein E-IV genetic risk for Alzheimer disease. 2006, 63, 442-8	22
909	QxDB: a generic database to support mathematical modelling in biology. 2006, 364, 1517-32	18
908	Kinetic Modeling of FDG uptake in rat tumors During photodynamic therapy. 2006,	
907	Quantitative analysis of dopamine synthesis in human brain using positron emission tomography with L-[beta-11C]DOPA. 2006, 27, 723-31	22
906	Kinetic modeling of PET-FDG in the brain without blood sampling. 2006, 30, 447-51	20
905	Addressing glucose sensitivity measured by F-18 FDG PET in lung cancers for radiation treatment planning and monitoring. 2006, 65, 132-7	6

904	Imaging vascular physiology to monitor cancer treatment. 2006 , 58, 95-113	48
903	Current and future use of positron emission tomography (PET) in breast cancer. 2006 , 11, 125-36	16
902	How should we analyse FDG PET studies for monitoring tumour response?. 2006 , 33 Suppl 1, 16-21	54
901	Brain Imaging. 233-256	
900	Nitrogen-13 as a biochemical tracer. 1985 , 57, 251-356	10
899	Regional cerebral (18)FDG uptake during subarachnoid hemorrhage induced vasospasm. 2006 , 28, 864-70	7
898	Exercise restores skeletal muscle glucose delivery but not insulin-mediated glucose transport and phosphorylation in obese subjects. 2006 , 91, 3394-403	12
897	Locally constrained mixture representation of dynamic imaging data from PET and MR studies. 2006 , 7, 318-38	20
896	High levels of dopamine D2 receptors in unaffected members of alcoholic families: possible protective factors. 2006 , 63, 999-1008	269
895	Evaluation of fluorodeoxyglucose positron emission tomography imaging in metastatic transitional cell carcinoma with and without prior chemotherapy. 2006 , 77, 69-75	59
894	Direct estimation of kinetic parameters from the sinogram with an unknown blood function.	6
893	Functional Imaging Techniques for the Evaluation of Hepatocellular Carcinoma Using Dynamic ¹¹ C-Acetate PET Imaging. 2006 , 2, 205-214	3
892	Quantitative Analysis in Nuclear Oncologic Imaging. 2006 , 494-536	11
891	Tracer Kinetic Modeling in Nuclear Medicine: Theory and Applications. 2006 , 391-413	3
890	Attenuation of amygdala and frontal cortical responses to low blood glucose concentration in asymptomatic hypoglycemia in type 1 diabetes: a new player in hypoglycemia unawareness?. 2007 , 56, 2766-73	59
889	Regional brain activity correlates of nicotine dependence. 2007 , 32, 2441-52	65
888	Clustering-based linear least square fitting method for generation of parametric images in dynamic FDG PET studies. 2007 , 2007, 65641	8
887	Molecular imaging: the vision and opportunity for radiology in the future. 2007 , 244, 39-47	140

886	Kinetic modeling of PET data and FDG continuous infusion in rat tumors simultaneously treated with PDT. 2007,	0
885	Dynamic and static approaches to quantifying 18F-FDG uptake for measuring cancer response to therapy, including the effect of granulocyte CSF. 2007, 48, 920-5	57
884	Image-derived input function for assessment of 18F-FDG uptake by the inflamed lung. 2007, 48, 1889-96	39
883	Behavioural variant frontotemporal dementia: not all it seems?. 2007, 13, 237-47	46
882	A new tool for molecular imaging: the microvolumetric beta blood counter. 2007, 48, 1197-206	41
881	Selective defect of in vivo glycolysis in early Huntington's disease striatum. 2007, 104, 2945-9	138
880	Profound decreases in dopamine release in striatum in detoxified alcoholics: possible orbitofrontal involvement. 2007, 27, 12700-6	362
879	Systemic and nasal delivery of orexin-A (Hypocretin-1) reduces the effects of sleep deprivation on cognitive performance in nonhuman primates. 2007, 27, 14239-47	211
878	Tumor-specific positron emission tomography imaging in patients: [18F] fluorodeoxyglucose and beyond. 2007, 13, 3460-9	131
877	PETglove: a new technology for portable molecular imaging. 2007,	0
876	An input function estimation method for FDG-PET human brain studies. 2007, 34, 483-92	30
875	Simplifications in analyzing positron emission tomography data: effects on outcome measures. 2007, 34, 743-56	9
874	Strategies for attenuation compensation in neurological PET studies. 2007, 34, 518-41	34
873	Novel quantitative techniques for assessing regional and global function and structure based on modern imaging modalities: implications for normal variation, aging and diseased states. 2007, 37, 223-39	85
872	Tracer Kinetic Modeling in PET. 2007, 2, 267-77	52
871	Clinical and Research Applications of Quantitative PET Imaging. 2007, 2, 161-72	5
870	In Vivo Imaging of Cancer Therapy. 2007,	2
869	Positron Emission Tomography of the Brain. 2007, 2, 1-13	1

868	In vivo quantitation of glucose metabolism in mice using small-animal PET and a microfluidic device. 2007 , 48, 837-45	82
867	18F-FDOPA kinetics in brain tumors. 2007 , 48, 1651-61	95
866	Analysis and interpretation of dynamic FDG PET oncological studies using data reduction techniques. 2007 , 6, 36	3
865	In Vivo NMR Spectroscopy [Dynamic Aspects. 111-190	1
864	The imaging continuum: bench to biomarkers to diagnostics. 2007 , 50, 746-769	11
863	Measurement of cerebral blood volume in humans using hyperoxic MRI contrast. 2007 , 26, 894-9	56
862	Assessment of glucose metabolism from the projections using the wavelet technique in small animal pet imaging. 2007 , 31, 157-65	5
861	Temporal and spatial blood information estimation using Bayesian ICA in dynamic cerebral positron emission tomography. 2007 , 17, 979-993	7
860	ISPMER: Integrated system for combined PET, MRI, and electrophysiological recording in somatosensory studies in rats. 2007 , 580, 938-943	9
859	The 23rd International Symposium on Cerebral Blood Flow, Metabolism and Function. 2007 , 27, BO01-01-BP59-08H	38
858	The use of positron emission tomography and [18F]fluorodeoxyglucose for functional imaging of muscular activity during exercise with a stride assistance system. 2007 , 15, 442-8	17
857	Diagnostic value of kinetic analysis using dynamic FDG PET in immunocompetent patients with primary CNS lymphoma. 2007 , 34, 78-86	36
856	18F-fluorothymidine kinetics of malignant brain tumors. 2007 , 34, 1003-11	65
855	Quantitation, regional vulnerability, and kinetic modeling of brain glucose metabolism in mild Alzheimer's disease. 2007 , 34, 1467-79	34
854	Metabolic imaging using PET. 2007 , 34 Suppl 1, S49-61	10
853	Cerebral blood flow in temporal lobe epilepsy: a partial volume correction study. 2007 , 34, 2066-72	6
852	Quantitative evaluation of 2-deoxy-2[F-18]fluoro-D-glucose-positron emission tomography imaging on the woodchuck model of hepatocellular carcinoma with histological correlation. 2007 , 9, 135-43	24
851	Mapping of central dopamine synthesis in man, using positron emission tomography with L-[beta-11C]DOPA. 2007 , 21, 355-60	11

850	FLT-PET imaging of radiation responses in murine tumors. 2008 , 10, 325-34	25
849	Blood flow and glucose metabolism in stage IV breast cancer: heterogeneity of response during chemotherapy. 2008 , 10, 356-63	6
848	Cerebral glucose metabolism and D2/D3 receptor availability in young adults with cannabis dependence measured with positron emission tomography. 2008 , 197, 549-56	62
847	The physiological and biochemical bases of functional brain imaging. 2008 , 2, 1-5	37
846	PET kinetic analysis: error consideration of quantitative analysis in dynamic studies. 2008 , 22, 1-11	21
845	Influence of mild hyperglycemia on cerebral FDG distribution patterns calculated by statistical parametric mapping. 2008 , 22, 191-200	49
844	The effects of cocaine on regional brain glucose metabolism is attenuated in dopamine transporter knockout mice. 2008 , 62, 319-24	37
843	Tumour glycolysis: the many faces of HIF. 2008 , 254, 508-13	19
842	Calculation of attainable superheats and predicted embryonic flux rates in commercial water isotope targets. 2008 , 66, 1781-7	6
841	Brain glucose hypometabolism and oxidative stress in preclinical Alzheimer's disease. 2008 , 1147, 180-95	344
840	Cerebral mitochondrial metabolism in early Parkinson's disease. 2008 , 28, 1754-60	29
839	Noninvasive quantification of local cerebral metabolic rate of glucose for clinical application using positron emission tomography and 18F-fluoro-2-deoxy-D-glucose. 2008 , 28, 242-50	15
838	Changes in cerebral glucose metabolism during early abstinence from chronic methamphetamine abuse. 2008 , 13, 897-908	55
837	Effects of chloramphenicol on brain energy metabolism using 31P spectroscopy: influences on sleep-wake states in rat. 2008 , 106, 1552-62	4
836	Dynamic PET reconstruction using wavelet regularization with adapted basis functions. 2008 , 27, 943-59	46
835	Sleep deprivation PET correlations of Hamilton symptom improvement ratings with changes in relative glucose metabolism in patients with depression. 2008 , 107, 181-6	44
834	A novel blood-cell-two-compartment model for transferring a whole blood time activity curve to plasma in rodents. 2008 , 92, 299-304	4
833	Cerebral metabolic pattern in young adult Down's syndrome subjects: altered intercorrelations between regional rates of glucose utilization. 1990 , 34 (Pt 3), 237-52	7

832	Brain nociceptive imaging in rats using (18)f-fluorodeoxyglucose small-animal positron emission tomography. 2008 , 155, 1221-6	29
831	Application of positron emission tomography to neuroimaging in sports sciences. 2008 , 45, 300-6	30
830	18-Fluorodeoxyglucose positron emission tomography in children and adolescents with traumatic brain injury. 1995 , 37, 213-20	31
829	Positron emission tomography scans obtained for the evaluation of cognitive dysfunction. 2008 , 38, 251-61	39
828	Partial volume corrected image derived input functions for dynamic PET brain studies: methodology and validation for [11C]flumazenil. 2008 , 39, 1041-50	92
827	Modeling pulmonary kinetics of 2-deoxy-2-[18F]fluoro-D-glucose during acute lung injury. 2008 , 15, 763-75	40
826	Investigation of Nonneoplastic Neurologic Disorders with PET and MRI. 2008 , 3, 317-34	3
825	Metabolic and vascular features of dynamic contrast-enhanced breast magnetic resonance imaging and (15)O-water positron emission tomography blood flow in breast cancer. 2008 , 15, 1246-54	28
824	Covariance expressions for implicit estimators of kinetic parameters with dynamic PET. 2008 ,	1
823	Strategies for using molecular neuroimaging in dementia. 2008 , 89, 87-95	
822	Molecular Imaging: Computer Reconstruction and Practice. 2008 ,	3
821	Tariquidar-induced P-glycoprotein inhibition at the rat blood-brain barrier studied with (R)-11C-verapamil and PET. 2008 , 49, 1328-35	94
820	1-11C-acetate kinetics of prostate cancer. 2008 , 49, 206-15	54
819	Imaging of opioid receptors in the central nervous system. 2008 , 131, 1171-96	149
818	The evolving role of nuclear molecular imaging in cancer. 2008 , 2, 829-842	20
817	Word deafness as a cortical auditory processing deficit: a case report with MEG. 2008 , 14, 307-16	9
816	PET kinetic modeling of rat tumors simultaneously treated with photodynamic therapy: A reference tissue model. 2008 ,	
815	Recommendations on the use of 18F-FDG PET in oncology. 2008 , 49, 480-508	814

814	Study of direct and indirect parametric estimation methods of linear models in dynamic positron emission tomography. 2008 , 35, 1299-309	77
813	Walking or vitamin B for cognition in older adults with mild cognitive impairment? A randomised controlled trial. 2008 , 42, 344-51	180
812	Factors Affecting Quantification in PET/CT Imaging. 2008 , 4, 34-45	9
811	Effects of an automated stride assistance system on walking parameters and muscular glucose metabolism in elderly adults. 2008 , 42, 922-9	21
810	Spillover and partial-volume correction for image-derived input functions for small-animal 18F-FDG PET studies. 2008 , 49, 606-14	90
809	Cortical flattening applied to high-resolution 18F-FDG PET. 2008 , 49, 44-9	2
808	Joint penalized-likelihood reconstruction of time-activity curves and regions-of-interest from projection data in brain PET. 2008 , 53, 2877-96	4
807	Effect of the blood function error on the estimated kinetic parameters with dynamic pet. 2008 ,	
806	Auditory cortical activation and speech perception in cochlear implant users. 2008 , 122, 238-45	8
805	Cortical plasticity in the first year after cochlear implantation. 2008 , 9, 103-17	9
804	A survey of approaches for direct parametric image reconstruction in emission tomography. 2008 , 35, 3963-71	70
803	Detection of Measurement Outliers in Tracer Kinetics. 2008 , 41, 6654-6657	
802	PET/CT examination in an anaplastic malignant lymphoma with extensive reactive involvement. 2008 , 33, 619-20	1
801	Improved discrimination of benign and malignant lesions on FDG PET/CT, using comparative activity ratios to brain, basal ganglia, or cerebellum. 2008 , 33, 681-7	23
800	Reduced thalamic 18F-fluorodeoxyglucose retention in adults with neurofibromatosis type 1. 2008 , 29, 17-26	13
799	Hepatic uptake and metabolism of galactose can be quantified in vivo by 2-[18F]fluoro-2-deoxygalactose positron emission tomography. 2008 , 295, G27-G36	31
798	References. 234-330	
797	Optimal design of a new kinetic strategy for extracting FDG transport and uptake information in microfluidic multi-chamber cell culture chip coupled with PSAPD camera. 2009 ,	1

796	PET studies of cerebral levodopa metabolism: a review of clinical findings and modeling approaches. 2009 , 15, 635-50	105
795	Multimodal neuroimaging provides a highly consistent picture of energy metabolism, validating 31P MRS for measuring brain ATP synthesis. 2009 , 106, 3988-93	36
794	Biomarkers and imaging: physics and chemistry for noninvasive analyses. 2009 , 1, 321-56	6
793	Do parkinsonian patients have trouble telling lies? The neurobiological basis of deceptive behaviour. 2009 , 132, 1386-95	49
792	PET study of 11C-acetoacetate kinetics in rat brain during dietary treatments affecting ketosis. 2009 , 296, E796-801	36
791	Combined magnetic resonance imaging and positron emission tomography brain imaging in behavioural variant frontotemporal degeneration: refining the clinical phenotype. 2009 , 132, 2566-78	95
790	Quantification of cerebral glucose metabolic rate in mice using 18F-FDG and small-animal PET. 2009 , 50, 966-73	35
789	Partial volume correction of the microPET blood input function using ensemble learning independent component analysis. 2009 , 54, 1823-46	16
788	Altered brain serotonin transporter and associated glucose metabolism in Alzheimer disease. 2009 , 50, 1260-6	56
787	Brain glucose metabolism in hypothyroidism: a positron emission tomography study before and after thyroid hormone replacement therapy. 2009 , 94, 2922-9	96
786	Frontal FDG-PET activity correlates with cognitive outcome after STN-DBS in Parkinson disease. 2009 , 72, 42-9	90
785	Effect of the TaqIA polymorphism on ethanol response in the brain. 2009 , 174, 163-70	9
784	Cerebral metabolism of oxygen and glucose in a patient with MELAS syndrome. 1995 , 92, 497-502	28
783	Face processing in the chimpanzee brain. 2009 , 19, 50-3	71
782	Brain positron emission tomography in preterm and term newborn infants. 2009 , 85, 429-32	19
781	FDG-PET parametric imaging by total variation minimization. 2009 , 33, 295-303	17
780	Redistribution of whole-body energy metabolism by exercise: a positron emission tomography study. 2009 , 23, 81-8	12
779	Donepezil- and scopolamine-induced rCMRglu changes assessed by PET in conscious rhesus monkeys. 2009 , 23, 877-82	6

778	Mechanisms underlying cognitive enhancement and reversal of cognitive deficits in nonhuman primates by the ampakine CX717. 2009 , 202, 355-69	37
777	BrainPET Poster Session: Kinetic Modeling. 2009 , 29, S312-S328	
776	Comparison of eight methods for the estimation of the image-derived input function in dynamic [(18)F]-FDG PET human brain studies. 2009 , 29, 1825-35	61
775	Nonparametric Residue Analysis of Dynamic PET Data With Application to Cerebral FDG Studies in Normals. 2009 , 104, 556-571	20
774	Assessment of mental deterioration with the Cognitive Abilities Screening Instrument (CASI) and glucose hypometabolism in Alzheimer's disease: the Osaki-Tajiri Project. 2009 , 16, 1430-4	6
773	Cinŕiques de la fixation du 18F-FDG dans les structures cŕŕbrales : faisabilitŕ et rŕsultats prŕliminaires. 2009 , 33, 69-77	1
772	Pharmacokinetics and Modeling. 2009 , 205-214	2
771	Molecular Imaging in Cardiology. 2009 , 299-323	1
770	Molecular Imaging in Neurology and Psychiatry. 2009 , 255-298	1
769	Intraoperative dynamic susceptibility contrast weighted magnetic resonance imaging (iDSC-MRI) - Technical considerations and feasibility. 2009 , 45, 38-43	26
768	Abnormal cerebral metabolism during menstrual pain in primary dysmenorrhea. 2009 , 47, 28-35	84
767	Effects of a robotic walking exercise on walking performance in community-dwelling elderly adults. 2009 , 9, 372-81	29
766	Diagnostic value of kinetic analysis using dynamic 18F-FDG-PET in patients with malignant primary brain tumor. 2009 , 30, 602-9	26
765	Functional and neuroreceptor imaging of the brain in bicuculline-induced dystonic rats. 2009 , 217, 313-20	3
764	Decreased cortical glucose metabolism in converters from CDR 0.5 to Alzheimer's disease in a community: the Osaki-Tajiri Project. 2009 , 21, 148-56	18
763	Positron Emission Tomography. 351-376	1
762	Regional cerebral blood flow and metabolic rate in persistent Lyme encephalopathy. 2009 , 66, 554-63	25
761	A study of non-invasive Patlak quantification for experimental whole-body dynamic FDG-PET studies of mice. 2009 , 42, 216-221	

760	The effects of xenon anesthesia on the relationship between cerebral glucose metabolism and blood flow in healthy subjects: a positron emission tomography study. 2009 , 108, 593-600	19
759	Tomographie par émission de positons en pathologie tumorale thoracique. 2010 , 5, 1-24	1
758	Improved estimation of parametric images of cerebral glucose metabolic rate from dynamic FDG-PET using volume-wise principle component analysis. 2010 ,	
757	The efficacy of dual time point F-18 FDG PET imaging for grading of brain tumors. 2010 , 35, 400-3	26
756	Performance evaluation of the non-linear and linear estimation methods for determining kinetic parameters in dynamic FDG-PET study. 2010 ,	
755	Methodological considerations in quantification of oncological FDG PET studies. 2010 , 37, 1408-25	96
754	Image-derived input function in dynamic human PET/CT: methodology and validation with ¹¹ C-acetate and ¹⁸ F-fluorothioheptadecanoic acid in muscle and ¹⁸ F-fluorodeoxyglucose in brain. 2010 , 37, 1539-50	59
753	Use of PET in the diagnosis of primary CNS lymphoma in patients with atypical MR findings. 2010 , 24, 335-43	38
752	Normoglycemic plasma glucose levels affect F-18 FDG uptake in the brain. 2010 , 24, 501-5	18
751	Evidence for abnormal glucose uptake or metabolism in thalamus during acute hyperglycaemia in type 1 diabetes--a ¹ H MRS study. 2010 , 25, 227-34	16
750	Kinetic quantitation of cerebral PET-FDG studies without concurrent blood sampling: statistical recovery of the arterial input function. 2010 , 29, 610-24	17
749	Effects of behavioral therapy or pharmacotherapy on brain glucose metabolism in subjects with obsessive-compulsive disorder as assessed by brain FDG PET. 2010 , 184, 105-16	30
748	Association between serial dynamic contrast-enhanced MRI and dynamic ¹⁸ F-FDG PET measures in patients undergoing neoadjuvant chemotherapy for locally advanced breast cancer. 2010 , 32, 1124-31	34
747	Simultaneous estimation of input functions: an empirical study. 2010 , 30, 816-26	36
746	Using MicroPET Imaging in Quantitative Verification of Acupuncture Effect in Ischemia Stroke Treatment. 2010 ,	1
745	Molecular imaging of substance abuse. 446-462	
744	Activated thalamic glucose metabolism after combined donepezil and psychosocial intervention. 2010 , 6, 176-180	3
743	Responses of limbic, midbrain and brainstem structures to electrically-induced vocalizations. 2010 , 293-301	1

742	Pittsburgh compound B (11C-PIB) and fluorodeoxyglucose (18 F-FDG) PET in patients with Alzheimer disease, mild cognitive impairment, and healthy controls. 2010 , 23, 185-98	77
741	Integrated software environment based on COMKAT for analyzing tracer pharmacokinetics with molecular imaging. 2010 , 51, 77-84	18
740	When reversible ligands do not reverse, and other modelers' dilemmas. 2010 , 51, 1005-8	2
739	Establishment of in vivo brain imaging method in conscious mice. 2010 , 51, 1068-75	56
738	Kinetic model analysis for absorbed dose calculation applied to brain in [^{18}F]-fluorodeoxyglucose positron emission tomography imaging. 2010 , 25, 665-9	7
737	Motion compensation for fully 4D PET reconstruction using PET superset data. 2010 , 55, 4063-82	9
736	Effort-based decision making in the rat: an [^{18}F]-fluorodeoxyglucose micro positron emission tomography study. 2010 , 30, 9708-14	59
735	AB-OSEM reconstruction for improved kinetic parameter estimation. 2010 ,	
734	A proposal and evaluation of spatio-temporal reconstruction method based on DRAMA. 2010 ,	1
733	Myocardial insulin resistance induced by high fat feeding in heart failure is associated with preserved contractile function. 2010 , 299, H1917-27	31
732	Assessment of lung inflammation with 18F-FDG PET during acute lung injury. 2010 , 195, 292-300	57
731	[What is the role of FDG-PET in thoracic oncology in 2010?]. 2010 , 66, 221-38	2
730	Bilan d'extension du cancer bronchique par la tomographie à émission de positons au 18-fluorodéoxyglucose (FDG-TEP). 2010 , 2, 212-220	0
729	Kinetic modelling using basis functions derived from two-tissue compartmental models with a plasma input function: general principle and application to [^{18}F]-fluorodeoxyglucose positron emission tomography. 2010 , 51, 164-72	33
728	AB-OSEM reconstruction for improved Patlak kinetic parameter estimation: a simulation study. 2010 , 55, 6739-57	24
727	Molecular mechanisms of bone 18F-NaF deposition. 2010 , 51, 1826-9	240
726	Improved visual hallucination by donepezil and occipital glucose metabolism in dementia with Lewy bodies: the Osaki-Tajiri project. 2010 , 64, 337-44	36
725	Neuroimaging and neuroenergetics: brain activations as information-driven reorganization of energy flows. 2010 , 72, 449-56	18

724	[Aging and ovariectomy cause a decrease in brain glucose consumption in vivo in Wistar rats]. 2010 , 45, 136-40	8
723	The topography and significance of extratemporal hypometabolism in refractory mesial temporal lobe epilepsy examined by FDG-PET. 2010 , 51, 1365-73	67
722	Spatial correlation between brain aerobic glycolysis and amyloid- β deposition. 2010 , 107, 17763-7	275
721	Preclinical dynamic ^{18}F -FDG PET - tumor characterization and radiotherapy response assessment by kinetic compartment analysis. 2010 , 49, 914-21	25
720	A model for assessing cognitive impairment after fractionated whole-brain irradiation in nonhuman primates. 2011 , 175, 519-25	33
719	Sokoloff and Patlak methods for CMRglu quantification with aortic image-derived input function: A feasibility study. 2011 ,	
718	Analysis of kinetic parameter estimates for dynamic PET. 2011 ,	1
717	Advances in biomathematical modeling for PET neuroreceptor imaging. 2011 , 8, e45-51	7
716	Relationship between whole body oxygen consumption and skeletal muscle glucose metabolism during walking in older adults: FDG PET study. 2011 , 23, 175-82	4
715	^{18}F : Labeling Chemistry and Labeled Compounds. 2011 , 2021-2071	6
714	Basic Sciences of Nuclear Medicine. 2011 ,	15
713	Structural and Functional Neuroimaging Methods: Applications to Substance Abuse and Addiction. 2011 , 37-82	1
712	Sleep and Anesthesia. 2011 ,	7
711	Neurokinetics. 2011 ,	9
710	Presurgical epilepsy localization with interictal cerebral dysfunction. 2011 , 20, 194-208	21
709	Performance evaluation of kinetic parameter estimation methods in dynamic FDG-PET studies. 2011 , 32, 4-16	12
708	A method of generating image-derived input function in a quantitative ^{18}F -FDG PET study based on the shape of the input function curve. 2011 , 32, 1121-7	7
707	Quantitative Techniques in PET-CT Imaging. 2011 , 7, 216-233	14

706	Cumulative input function method for linear compartmental models and spectral analysis in PET. 2011 , 31, 750-6	7
705	Positive emotionality is associated with baseline metabolism in orbitofrontal cortex and in regions of the default network. 2011 , 16, 818-25	85
704	Brain fuel metabolism, aging, and Alzheimer's disease. 2011 , 27, 3-20	374
703	Improved social interaction and increased anterior cingulate metabolism after group reminiscence with reality orientation approach for vascular dementia. 2011 , 192, 183-7	30
702	Feasibility of assessing [(18)F]FDG lung metabolism with late dynamic PET imaging. 2011 , 13, 378-84	14
701	Image-derived input function from cardiac gated maximum a posteriori reconstructed PET images in mice. 2011 , 13, 342-7	26
700	Shortening the duration of [18F]FDG PET brain examination for diagnosis of brain glioma. 2011 , 13, 754-8	5
699	Extraction of input function from rat [18F]FDG PET images. 2011 , 13, 1241-9	7
698	Retrospective evaluation of PET-MRI registration algorithms. 2011 , 24, 485-93	17
697	State of the art direct ¹³ C and indirect ¹ H-[¹³ C] NMR spectroscopy in vivo. A practical guide. 2011 , 24, 958-72	87
696	Distinct functional networks associated with improvement of affective symptoms and cognitive function during citalopram treatment in geriatric depression. 2011 , 32, 1677-91	39
695	The kinetics of 18f-fluorodeoxyglucose uptake in the choroid plexus. 2011 , 21, 107-114	3
694	A new Michaelis-Menten-based kinetic model for transport and phosphorylation of glucose and its analogs in skeletal muscle. 2011 , 38, 4587-99	7
693	Is liver SUV stable over time in ¹⁸ F-FDG PET imaging?. 2011 , 39, 258-63	32
692	Whiskers area as extracerebral reference tissue for quantification of rat brain metabolism using (18)F-FDG PET: application to focal cerebral ischemia. 2011 , 52, 1252-60	29
691	FDG-PET Quantification of Lung Inflammation with Image-Derived Blood Input Function in Mice. 2011 , 2011, 356730	12
690	Neuroimaging in Animal Seizure Models with (18)FDG-PET. 2011 , 2011, 369295	5
689	PET tumor metabolism in locally advanced breast cancer patients undergoing neoadjuvant chemotherapy: value of static versus kinetic measures of fluorodeoxyglucose uptake. 2011 , 17, 2400-9	77

688	Image-derived input function for brain PET studies: many challenges and few opportunities. 2011 , 31, 1986-98	173
687	Propagation of Blood Function Errors to the Estimates of Kinetic Parameters with Dynamic PET. 2011 , 2011, 234679	
686	GSM mobile phone radiation suppresses brain glucose metabolism. 2011 , 31, 2293-301	25
685	Cerebral glucose utilisation in hepatitis C virus infection-associated encephalopathy. 2011 , 31, 2199-208	34
684	A dose-response elevation in hepatic glucose uptake is paralleled by liver triglyceride synthesis and release. 2011 , 36, 9-18	2
683	History of International Society for Cerebral Blood Flow and Metabolism. 2012 , 32, 1099-106	1
682	My belief or yours? Differential theory of mind deficits in frontotemporal dementia and Alzheimer's disease. 2012 , 135, 3026-38	101
681	Hyperglycemia-induced stimulation of glucose transport in skeletal muscle measured by PET-[¹⁸ F]6FDG and [¹⁸ F]2FDG. 2012 , 33, 1661-73	3
680	Resting amygdala and medial prefrontal metabolism predicts functional activation of the fear extinction circuit. 2012 , 169, 415-23	72
679	Experimental protocols for behavioral imaging: seeing animal models of drug abuse in a new light. 2012 , 11, 93-115	4
678	Single Seed Region Growing Algorithm in Dynamic PET Imaging (SSRG/4D-PET) for Tumor Volume Delineation in Radiotherapy Treatment Planning: Theory and Simulation. 2012 , 59, 2020-2032	2
677	The impact of positron emission tomography imaging on the clinical management of patients with epilepsy. 2012 , 12, 719-32	9
676	Potential of early [(¹⁸ F)-2-fluoro-2-deoxy-D-glucose positron emission tomography for identifying hypoperfusion and predicting fate of tissue in a rat embolic stroke model. 2012 , 43, 193-8	27
675	Image-derived arterial input function in dynamic positron emission tomography-computed tomography: a method using both positron emission tomographic and computed tomographic images. 2012 , 36, 762-7	5
674	Dynamic PET-CT studies for characterizing nasopharyngeal carcinoma metabolism: comparison of analytical methods. 2012 , 33, 191-7	5
673	A method for generating image-derived input function in quantitative ¹⁸ F-FDG PET study based on the monotonicity of the input and output function curve. 2012 , 33, 362-70	8
672	Development and experimental medicine applications of PET in oncology: a historical perspective. 2012 , 13, e116-25	29
671	Quantitative analysis and parametric imaging of ¹⁸ F-labeled monomeric and dimeric RGD peptides using compartment model. 2012 , 14, 743-52	24

670	Quantitative assessment of heterogeneity in tumor metabolism using FDG-PET. 2012 , 82, e725-31	29
669	Assessment of brain glucose metabolism with input function determined from brain PET images by means of Bayesian ICA and MCMC methods. 2012 , 36, 620-6	3
668	[Positron emission tomography-computed tomography in tumors of the locomotor apparatus]. 2012 , 54 Suppl 1, 3-13	2
667	Actualité de la tomographie Émission de Positons au 18F-Fluorodéoxyglucose (FDG-TEP) dans le cancer bronchique Place des nouveaux marqueurs. 2012 , 4, 682-692	
666	Kinetic Analysis of Dynamic Positron Emission Tomography Data using Open-Source Image Processing and Statistical Inference Tools. 2012 , 4, 316-322	6
665	Metabolic neuroimaging of the brain in diabetes mellitus and hypoglycaemia. 2012 , 8, 588-97	10
664	Extraction of an input function from dynamic micro-PET images using wavelet packet based sub-band decomposition independent component analysis. 2012 , 63, 1273-84	4
663	Population-based input function and image-derived input function for [¹¹ C](R)-rolipram PET imaging: methodology, validation and application to the study of major depressive disorder. 2012 , 63, 1532-41	37
662	Using the rPatlak plot and dynamic FDG-PET to generate parametric images of relative local cerebral metabolic rate of glucose. 2012 , 57, 3811-3818	4
661	Target Engagement for PK/PD Modeling and Translational Imaging Biomarkers. 2012 , 493-511	1
660	Extraction of time activity curves from gated FDG-PET images for small animals' heart studies. 2012 , 36, 484-91	11
659	Functional Neuroimaging in Exercise and Sport Sciences. 2012 ,	10
658	Cerebral blood flow and glucose metabolism in healthy volunteers measured using a high-resolution PET scanner. 2012 , 2, 63	37
657	The power of FDG-PET to detect treatment effects is increased by glucose correction using a Michaelis constant. 2012 , 2, 35	6
656	Brain. 75-102	
655	Imaging of glucose uptake during walking in elderly adults. 2012 , 5, 51-7	4
654	Functional Neuroimaging: A Historical Perspective. 2012 ,	1
653	A comparative uptake study of multiplexed PET tracers in mice with turpentine-induced inflammation. 2012 , 17, 13948-59	10

652	The development, past achievements, and future directions of brain PET. 2012 , 32, 1426-54	96
651	Minimally invasive input function for 2-18F-fluoro-A-85380 brain PET studies. 2012 , 39, 651-9	17
650	Correlation between crossed cerebellar diaschisis and clinical neurological scales. 2012 , 125, 373-81	25
649	Quantitation of glucose uptake in tumors by dynamic FDG-PET has less glucose bias and lower variability when adjusted for partial saturation of glucose transport. 2012 , 2, 6	12
648	5-HT radioligands for human brain imaging with PET and SPECT. 2013 , 33, 54-111	111
647	Calculating an estimate of tissue integrated activity in 18F-FDG PET imaging using one SUV value. 2013 , 3, 26	4
646	Positron Emission Tomography. 2013 ,	14
645	PET/MRI in head and neck cancer: initial experience. 2013 , 40, 6-11	91
644	Decoding Alzheimer's disease from perturbed cerebral glucose metabolism: implications for diagnostic and therapeutic strategies. 2013 , 108, 21-43	368
643	Equal sensitivity of early and late scans after injection of FDG for the detection of Alzheimer pattern: an analysis of 3D PET data from J-ADNI, a multi-center study. 2013 , 27, 452-9	11
642	Ketosis proportionately spares glucose utilization in brain. 2013 , 33, 1307-11	63
641	Glucose corrected standardized uptake value (SUV _{gluc}) in the evaluation of brain lesions with 18F-FDG PET. 2013 , 40, 997-1004	15
640	Dual-tracer PET using generalized factor analysis of dynamic sequences. 2013 , 15, 666-74	18
639	2-Deoxy-2-[18F]fluoro-D-glucose positron emission tomography demonstrates target inhibition with the potential to predict anti-tumour activity following treatment with the AKT inhibitor AZD5363. 2013 , 15, 476-85	15
638	Back to the future: the absolute quantification of cerebral metabolic rate of glucose. 2013 , 1, 289-296	6
637	Glucose metabolism in normal aging and Alzheimer's disease: Methodological and physiological considerations for PET studies. 2013 , 1, 217	154
636	The quantification with FDG as seen by a physician. 2013 , 40, 720-30	12
635	Direct 4D PET MLEM reconstruction of parametric images using the simplified reference tissue model with the basis function method. 2013 ,	2

634	Conversion of arterial input functions for dual pharmacokinetic modeling using Gd-DTPA/MRI and 18F-FDG/PET. 2013 , 69, 781-92	30
633	Kinetic analysis of FDG in rat liver: effect of dietary intervention on arterial and portal vein input. 2013 , 40, 537-46	5
632	Principles of Positron Emission Tomography Imaging. 2013 , 3-27	1
631	From PET to PET/CT. 2013 , 41-57	
630	Glucose and Lactate Monitoring Across the Rat Sleep/Wake Cycle. 2013 , 241-256	1
629	Toward a neuroimaging treatment selection biomarker for major depressive disorder. 2013 , 70, 821-9	352
628	Predominance of D2 receptors in mediating dopamine's effects in brain metabolism: effects of alcoholism. 2013 , 33, 4527-35	29
627	Acute alcohol intoxication decreases glucose metabolism but increases acetate uptake in the human brain. 2013 , 64, 277-83	70
626	Molecular Reporter Systems. 2013 , 165-252	
625	Imaging Gene Expression. 2013 , 333-432	
624	Design of Molecular Imaging Probes. 2013 , 253-303	
623	Developing Targeted PET Tracers in the Era of Personalized Medicine. 2013 , 289-342	
622	Imaging the Function of Gene Products. 2013 , 433-514	
621	Improved functional status by comprehensive physical and psychosocial approach through right insula activation in poststroke vascular dementia. 2013 , 123, 698-704	2
620	Quantitative dynamic 18 F-FDG-PET and tracer kinetic analysis of soft tissue sarcomas. 2013 , 52, 1160-7	11
619	Influence of the partial volume correction method on (^{18}F) -fluorodeoxyglucose brain kinetic modelling from dynamic PET images reconstructed with resolution model based OSEM. 2013 , 58, 7081-106	19
618	Studies on Alzheimer's Disease. 2013 ,	
617	Cerebral blood flow and glucose metabolism measured with positron emission tomography are decreased in human type 1 diabetes. 2013 , 62, 2898-904	26

616	Multimodal assessment of in vivo metabolism with hyperpolarized [1-13C]MR spectroscopy and 18F-FDG PET imaging in hepatocellular carcinoma tumor-bearing rats. 2013 , 54, 1113-9	26
615	MR Spectroscopy of Pediatric Brain Disorders. 2013 ,	10
614	Cardiac PET imaging of 18F-FDG metabolism: study of healthy and infarcted hearts of rats. 2013 , 2013, 2481-4	1
613	Simultaneous water activation and glucose metabolic rate imaging with PET. 2013 , 58, 393-411	17
612	Energetic cost of brain functional connectivity. 2013 , 110, 13642-7	331
611	Using microPET imaging in quantitative verification of the acupuncture effect in ischemia stroke treatment. 2013 , 3, 1070	26
610	A Distributed Artificial Immune Network for Optimizing Tracer Kinetic Models with MATLAB Distributed Computing Engine. 2013 , 7, 173-185	1
609	Prognostic value of dual-time-point 18F-FDG PET-CT imaging in patients with head and neck squamous cell carcinoma. 2013 , 34, 551-6	25
608	Pioneering and fundamental achievements on the development of positron emission tomography (PET) in oncology. 2013 , 230, 155-69	9
607	A Bayesian framework for the extraction of input function for 18F-FDG metabolism study for both healthy and infarcted rats' hearts. 2013 , 3,	
606	Association between dopamine D4 receptor polymorphism and age related changes in brain glucose metabolism. 2013 , 8, e63492	9
605	Quantitative preclinical PET imaging: opportunities and challenges. 2014 , 2,	37
604	FDG-PET imaging in mild traumatic brain injury: a critical review. 2014 , 5, 13	91
603	History of Nuclear Medicine and Molecular Imaging. 2014 , 1-37	2
602	Physiological Modelling of Positron Emission Tomography Images. 2014 , 417-448	1
601	What have novel imaging techniques revealed about metabolism in the aging brain?. 2014 , 9, 341-354	26
600	Brown adipose tissue in humans: detection and functional analysis using PET (positron emission tomography), MRI (magnetic resonance imaging), and DECT (dual energy computed tomography). 2014 , 537, 141-59	46
599	Evaluation of 2-[18F]fluoroacetate kinetics in rodent models of cerebral hypoxia-ischemia. 2014 , 34, 836-44	7

598 Tracer Kinetic Models in PET. **2014**, 229-252

597 Glucose hypometabolism is highly localized, but lower cortical thickness and brain atrophy are widespread in cognitively normal older adults. **2014**, 306, E1315-21 33

596 Positron emission tomography (PET) in oncology: current applications and future perspectives. **2014**, 10,

595 Energy Metabolism in the Brain. **2014**, 53-117 4

594 Cerebral Glucose Metabolism. **2014**, 85-101 1

593 Recent advances in parametric neuroreceptor mapping with dynamic PET: basic concepts and graphical analyses. **2014**, 30, 733-54 7

592 Evaluation of a direct 4D reconstruction method using generalised linear least squares for estimating nonlinear micro-parametric maps. **2014**, 28, 860-73 4

591 Recent Advances in Neuroimaging Biomarkers of Schizophrenia. **2014**, 71-103 1

590 Disorders of "taste cognition" are associated with insular involvement in patients with Alzheimer's disease and vascular dementia: "memory of food is impaired in dementia and responsible for poor diet". **2014**, 26, 1127-38 20

589 Calibrated image-derived input functions for the determination of the metabolic uptake rate of glucose with [18F]-FDG PET. **2014**, 35, 353-61 8

588 18F-fluoro-2-deoxy-D-glucose retention index as a prognostic parameter in patients with pancreatic cancer. **2014**, 35, 1112-8 12

587 Complementary frame reconstruction: a low-biased dynamic PET technique for low count density data in projection space. **2014**, 59, 5441-55 11

586 Brain glucose and acetoacetate metabolism: a comparison of young and older adults. **2014**, 35, 1386-95 77

585 Prognostic value of volumetric parameters measured by 18F-FDG PET/CT in patients with head and neck squamous cell carcinoma. **2014**, 41, 659-67 55

584 Cerebral glucose metabolism on positron emission tomography of children. **2014**, 35, 2297-309 26

583 Brown adipose tissue function is accompanied by cerebral activation in lean but not in obese humans. **2014**, 34, 1018-23 17

582 PET 18F-FDG kinetic modeling using the iterative two-stage population approach for the assessment of left ventricular function in case of small animal heart failure. **2014**,

581 PET/CT imaging in cancer: current applications and future directions. **2014**, 120, 3433-45 128

580 Perfusion Measurements: Brain. **2014**, 1-26

579	Dynamic functional imaging of brain glucose utilization using fPET-FDG. 2014 , 100, 192-9	78
578	The role of PET quantification in neurological imaging: FDG and amyloid imaging in dementia. 2014 , 2, 321-330	11
577	Fluorodeoxyglucose PET in Neurology and Psychiatry. 2014 , 9, 371-90, v	44
576	^{18}F -FLT and ^{18}F -FDOPA PET kinetics in recurrent brain tumors. 2014 , 41, 1199-209	39
575	Diaschisis: past, present, future. 2014 , 137, 2408-22	437
574	Dexamethasone-induced insulin resistance: kinetic modeling using novel PET radiopharmaceutical 6-deoxy-6- ^{18}F fluoro-D-glucose. 2014 , 16, 710-20	5
573	Trends in PET quantification: opportunities and challenges. 2014 , 2, 183-185	6
572	Image-derived input function from the vena cava for ^{18}F -FDG PET studies in rats and mice. 2014 , 55, 1380-8	41
571	Kinetic modeling in pre-clinical positron emission tomography. 2014 , 24, 274-85	13
570	Effects of spatial regularization on kinetic parameter estimation for dynamic PET. 2014 , 9, 6-13	4
569	Brain glucose metabolism in adults with ataxia-telangiectasia and their asymptomatic relatives. 2014 , 137, 1753-61	27
568	Towards a reproducible protocol for repetitive and semi-quantitative rat brain imaging with ^{18}F -FDG: exemplified in a memantine pharmacological challenge. 2014 , 96, 276-87	34
567	Lung ^{18}F fluorodeoxyglucose uptake and ventilation-perfusion mismatch in the early stage of experimental acute smoke inhalation. 2014 , 120, 683-93	10
566	VOXEL-LEVEL MAPPING OF TRACER KINETICS IN PET STUDIES: A STATISTICAL APPROACH EMPHASIZING TISSUE LIFE TABLES. 2014 , 8, 1065-1094	10
565	Optimization of Statistical Single Subject Analysis of Brain FDG PET for the Prognosis of Mild Cognitive Impairment-to-Alzheimer's Disease Conversion. 2016 , 49, 945-959	42
564	Investigation of scan time for solitary pulmonary nodule discrimination. 2015 ,	
563	Glucose Uptake Is Decreased in Affected Lower Leg Muscles of Hemiparetic Persons during Level Walking. 2015 , 237, 307-15	2

562	Contemporary approaches for imaging skeletal metastasis. 2015 , 3, 15024	28
561	. 2015 ,	
560	Determination of the Input Function at the Entry of the Tissue of Interest and Its Impact on PET Kinetic Modeling Parameters. 2015 , 17, 748-56	6
559	Modeling [(18)F]-FDG lymphoid tissue kinetics to characterize nonhuman primate immune response to Middle East respiratory syndrome-coronavirus aerosol challenge. 2015 , 5, 65	28
558	Generalized whole-body Patlak parametric imaging for enhanced quantification in clinical PET. 2015 , 60, 8643-73	45
557	Glucose-corrected standardized uptake value in the differentiation of high-grade glioma versus post-treatment changes. 2015 , 36, 573-81	7
556	Impact of Image-Derived Input Function and Fit Time Intervals on Patlak Quantification of Myocardial Glucose Uptake in Mice. 2015 , 56, 1615-21	15
555	The value of FDG-PET/CT by using 3-dimensional stereotactic surface projection software analysis in the differential diagnosis of dementia. 2015 , 45, 1149-1158	
554	Dynamic FDG-PET Imaging to Differentiate Malignancies from Inflammation in Subcutaneous and In Situ Mouse Model for Non-Small Cell Lung Carcinoma (NSCLC). 2015 , 10, e0139089	11
553	Prognostic Value of (18)F-FDG PET-CT in Nasopharyngeal Carcinoma: Is Dynamic Scanning Helpful?. 2015 , 2015, 582614	5
552	Longitudinal Evaluation of Sympathetic Nervous System and Perfusion in Normal and Spontaneously Hypertensive Rat Hearts with Dynamic Single-Photon Emission Computed Tomography. 2015 , 14, 7290.2015.00012	2
551	Image accuracy and quality test in rate constant depending on reconstruction algorithms with and without incorporating PSF and TOF in PET imaging. 2015 , 29, 561-9	
550	Prenatal exposure to methylphenidate affects the dopamine system and the reactivity to natural reward in adulthood in rats. 2014 , 18,	5
549	Perfusion Measurements of the Brain. 2015 , 1355-1377	0
548	Chronic methamphetamine abuse and corticostriatal deficits revealed by neuroimaging. 2015 , 1628, 174-85	110
547	Imaging biomarkers in primary brain tumours. 2015 , 42, 597-612	18
546	Reduced uptake of 18F-FDG and 15O-H ₂ O in Alzheimer's disease-related regions after glucose loading. 2015 , 35, 1380-5	26
545	Age-dependent decreases of high energy phosphates in cerebral gray matter of patients with bipolar I disorder: a preliminary phosphorus-31 magnetic resonance spectroscopic imaging study. 2015 , 175, 251-5	11

544	Computational Methods for Molecular Imaging. 2015,	
543	Direct 4D PET MLEM reconstruction of parametric images using the simplified reference tissue model with the basis function method for [¹¹ C]raclopride. 2015, 60, 4533-49	11
542	Hemodynamic and Metabolic Disturbances in Acute Cerebral Infarction. 2015, 829-838	
541	How is the standard uptake value (SUV) linked to the influx constant in Sokoloff's model for 18F-FDG?. 2015, 39, 11-17	3
540	Alcohol decreases baseline brain glucose metabolism more in heavy drinkers than controls but has no effect on stimulation-induced metabolic increases. 2015, 35, 3248-55	31
539	Noninvasive quantification of cerebral metabolic rate for glucose in rats using (18)F-FDG PET and standard input function. 2015, 35, 1664-70	6
538	A real-time follow-up of photodynamic therapy during PET imaging. 2015, 12, 428-35	3
537	Quantification, Variability, and Reproducibility of Basal Skeletal Muscle Glucose Uptake in Healthy Humans Using 18F-FDG PET/CT. 2015, 56, 1520-6	10
536	Targeting the Broadly Pathogenic Kynurenine Pathway. 2015,	2
535	Modelling of FDG metabolism in liver voxels. 2015, 365, 390-402	2
534	An update on novel quantitative techniques in the context of evolving whole-body PET imaging. 2015, 10, 45-58	45
533	Optimization of the reference region method for dual pharmacokinetic modeling using Gd-DTPA/MRI and (18) F-FDG/PET. 2015, 73, 740-8	7
532	¹⁸ F-fluorodeoxyglucose PET/computed tomography for primary brain tumors. 2015, 10, 59-73	20
531	Positron Emission Tomography with Computed Tomography (PET/CT). 2015,	1
530	Effects of Amyloid- β Deposition on Mitochondrial Complex I Activity in Brain: A PET Study in Monkeys. 2016,	0
529	Prognostic evaluation of percentage variation of metabolic tumor burden calculated by dual-phase (18) FDG PET-CT imaging in patients with head and neck cancer. 2016, 38 Suppl 1, E600-6	28
528	In vivo radiometric analysis of glucose uptake and distribution in mouse bone. 2016, 4, 16004	51
527	An update on semantic dementia: genetics, imaging, and pathology. 2016, 8, 52	79

526	Whole-body direct 4D parametric PET imaging employing nested generalized Patlak expectation-maximization reconstruction. 2016 , 61, 5456-85	54
525	Cannabis Abusers Show Hypofrontality and Blunted Brain Responses to a Stimulant Challenge in Females but not in Males. 2016 , 41, 2596-605	47
524	Imaging metabolic heterogeneity in cancer. 2016 , 15, 4	48
523	History of Image-Guided Biopsy. 2016 , 1-7	
522	Advances of Molecular Imaging in Epilepsy. 2016 , 16, 58	20
521	Relationship of metabolic and endocrine parameters to brain glucose metabolism in older adults: do cognitively-normal older adults have a particular metabolic phenotype?. 2016 , 17, 241-55	16
520	An inverse method for tracer kinetic modelling with positron emission tomography (PET) using hybrid method. 2016 ,	
519	Metabolism in Cancer. 2016 ,	4
518	Imaging of Tumor Metabolism Using Positron Emission Tomography (PET). 2016 , 207, 177-205	7
517	Introduction. 2016 , 13-20	
516	Cerebral metabolic rate of glucose quantification with the aortic image-derived input function and Patlak method: numerical and patient data evaluation. 2016 , 37, 849-59	2
515	Plasma Glucose Levels Affect Cerebral 18F-FDG Distribution in Cognitively Normal Subjects With Diabetes. 2016 , 41, e274-80	14
514	Levothyroxine effects on depressive symptoms and limbic glucose metabolism in bipolar disorder: a randomized, placebo-controlled positron emission tomography study. 2016 , 21, 229-36	33
513	Improved Parameter-Estimation With MRI-Constrained PET Kinetic Modeling: A Simulation Study. 2016 , 63, 2464-2470	2
512	Brain fluorodeoxyglucose (FDG) PET in dementia. 2016 , 30, 73-84	119
511	Use of dynamic (18)F-fluorodeoxyglucose positron emission tomography to investigate choroid plexus function in Alzheimer's disease. 2016 , 77, 62-8	8
510	Whole-body dynamic imaging with continuous bed motion PET/CT. 2016 , 37, 428-31	10
509	Regulation of neuron-astrocyte metabolic coupling across the sleep-wake cycle. 2016 , 323, 135-56	52

508	Improved simultaneous estimation of tracer kinetic models with artificial immune network based optimization method. 2016 , 107, 71-76	3
507	Application of a Small Molecule Radiopharmaceutical Concept to Improve Kinetics. 2016 , 50, 99-101	1
506	Qualitative interpretation of PET scans using a Likert scale to assess neck node response to radiotherapy in head and neck cancer. 2016 , 43, 609-16	27
505	Estimation of an image derived input function with MR-defined carotid arteries in FDG-PET human studies using a novel partial volume correction method. 2017 , 37, 1398-1409	27
504	Effects of tetrahydrocannabinol on glucose uptake in the rat brain. 2017 , 117, 273-281	11
503	Tools for Studying Glycans: Recent Advances in Chemoenzymatic Glycan Labeling. 2017 , 12, 611-621	65
502	Repeatability of SUV in Oncologic F-FDG PET. 2017 , 58, 523-532	101
501	18F-Fluorodeoxyglucose uptake on positron emission tomography/computed tomography is associated with metastasis and epithelial-mesenchymal transition in hepatocellular carcinoma. 2017, 34, 251-260	16
500	Glucose uptake of the muscle and adipose tissues in diabetes and obesity disease models: evaluation of insulin and β -adrenergic receptor agonist effects by F-FDG. 2017 , 31, 413-423	8
499	A synopsis of brown adipose tissue imaging modalities for clinical research. 2017 , 43, 401-410	15
498	Advances in positron emission tomography for the imaging of rheumatoid arthritis. 2017 , 56, 1837-1846	16
497	Forward to the Past: The Case for Quantitative PET Imaging. 2017 , 58, 1019-1024	86
496	Quantitative assessment of brain glucose metabolic rates using in vivo deuterium magnetic resonance spectroscopy. 2017 , 37, 3518-3530	48
495	MicroRNAs and altered metabolism of clear cell renal cell carcinoma: Potential role as aerobic glycolysis biomarkers. 2017 , 1861, 2175-2185	23
494	PET Imaging for Early Detection of Alzheimer's Disease: From Pathologic to Physiologic Biomarkers. 2017 , 12, 329-350	33
493	Dynamic brain glucose metabolism identifies anti-correlated cortical-cerebellar networks at rest. 2017 , 37, 3659-3670	31
492	Longitudinal Changes in Brain Metabolic Activity after Withdrawal from Escalation of Cocaine Self-Administration. 2017 , 42, 1981-1990	16
491	History and future technical innovation in positron emission tomography. 2017 , 4, 011013	102

490	Oxidation of [U- C]glucose in the human brain at 7T under steady state conditions. 2017 , 78, 2065-2071	20
489	Metabolic connectivity: methods and applications. 2017 , 30, 677-685	50
488	[F]-Sodium Fluoride PET MR-Based Localization and Quantification of Bone Turnover as a Biomarker for Facet Joint-Induced Disability. 2017 , 38, 2028-2031	6
487	Determination of an Optimal Pharmacokinetic Model of F-FET for Quantitative Applications in Rat Brain Tumors. 2017 , 58, 1278-1284	11
486	Fluorous Comonomer Modulates the Reactivity of Cyclic Ketene Acetal and Degradation of Vinyl Polymers. 2017 , 50, 9222-9232	28
485	Quantitative positron emission tomography in brain research. 2017 , 1670, 220-234	27
484	Quantitative analysis of dynamic F-FDG PET/CT for measurement of lung inflammation. 2017 , 7, 47	15
483	Imaging Approaches to Cerebral Cortex Pathology. 2017 , 57-80	
482	Federated optimisation of kinetic analysis problems. 2017 , 35, 116-132	
481	Inverse relationship between brain glucose and ketone metabolism in adults during short-term moderate dietary ketosis: A dual tracer quantitative positron emission tomography study. 2017 , 37, 2485-2493 ⁸⁰	80
480	Kinetic Modelling of Infection Tracers [F]FDG, [Ga]Ga-Citrate, [C]Methionine, and [C]Donepezil in a Porcine Osteomyelitis Model. 2017 , 2017, 9256858	6
479	[F]Fluoromisonidazole PET in rectal cancer. 2017 , 7, 78	16
478	Quantification of Functional Heterogeneities in Tumors by PET Imaging. 2018 , 395-410	
477	Functional energetic responses and individual variance of the human brain revealed by quantitative imaging of adenosine triphosphate production rates. 2018 , 38, 959-972	14
476	Metabolic brain networks in aging and preclinical Alzheimer's disease. 2018 , 17, 987-999	17
475	Denosing of dynamic PET images using a multi-scale transform and non-local means filter. 2018 , 41, 69-80	11
474	Comparison of three-parameter kinetic model analysis to standard Patlak's analysis in F-FDG PET imaging of lung cancer patients. 2018 , 8, 24	9
473	Microglial Activation on 11C-CB184 PET in a Patient With Cerebellar Ataxia Associated With HIV Infection. 2018 , 43, e82-e84	2

472	Diagnostic performance of fluorodesoxyglucose positron emission/computed tomography and magnetic resonance imaging in detecting T1-T2 head and neck squamous cell carcinoma. 2018 , 128, 378-385	9
471	Receptor visualization and the atomic bomb. A historical account of the development of the chemical neuroanatomy of receptors for neurotransmitters and drugs during the Cold War. 2018 , 88, 76-112	1
470	Adaptive Weighted Nonlinear Least Squares Method for Fluorodeoxyglucose Positron Emission Tomography Quantification. 2018 , 38, 63-75	2
469	Methods for quantification of cerebral glycolytic metabolism using 2-deoxy-2-[18 F]fluoroglucose in small animals. 2018 , 34, 254-272	
468	Aberrant Uptake of a Fluorescent L-Glucose Analogue (FLG) into Tumor Cells Expressing Malignant Phenotypes. 2018 , 41, 1508-1516	3
467	The kinetics of F-FDG in lung cancer: compartmental models and voxel analysis. 2018 , 8, 88	3
466	Using max standardized uptake value from positron emission tomography to assess tumor responses after lung stereotactic body radiotherapy for different prescriptions. 2018 , 19, 226-233	1
465	Cancer Metabolism as a Mechanism of Treatment Resistance and Potential Therapeutic Target in Hepatocellular Carcinoma. 2018 , 59, 1143-1149	20
464	Positron Emission Tomography (PET) and Pharmacokinetics: Classical Blood Sampling Versus Image-Derived Analysis of [18F]FAZA and [18F]FDG in a Murine Tumor Bearing Model. 2018 , 21, 32s-47s	2
463	Simultaneous characterization of tumor cellularity and the Warburg effect with PET, MRI and hyperpolarized C-MRSI. 2018 , 8, 4765-4780	18
462	The renaissance of functional F-FDG PET brain activation imaging. 2018 , 45, 2338-2341	23
461	Trajectories of Brain Lactate and Re-visited Oxygen-Glucose Index Calculations Do Not Support Elevated Non-oxidative Metabolism of Glucose Across Childhood. 2018 , 12, 631	9
460	Advances in PET Methodology. 2018 , 141, 3-30	3
459	Impact of Aging on Metabolic Changes in the Ketotic Rat Brain: Glucose, Oxidative and 4-HNE Metabolism. 2018 , 1072, 21-25	5
458	Practical Clinical Measurement of Radiotracer Concentration in Blood: Initial Device Concept and Feasibility Testing. 2018 , 46, 373-377	2
457	Evaluation of Image Quality and Quantitation in a Clinical PET Scanner with a Uniformly Sparse Detector Rings Configuration. 2018 ,	6
456	Comparative effects of dexmedetomidine, propofol, sevoflurane, and S-ketamine on regional cerebral glucose metabolism in humans: a positron emission tomography study. 2018 , 121, 281-290	22
455	PET imaging for assessing tumor response to therapy. 2018 , 118, 362-373	5

454	. 2018 , 2, 483-489	7
453	and Alzheimer's Disease: Neuroimaging of Metabolic and Cerebrovascular Dysfunction. 2018 , 10, 180	30
452	The Relationship Between Dopamine Neurotransmitter Dynamics and the Blood-Oxygen-Level-Dependent (BOLD) Signal: A Review of Pharmacological Functional Magnetic Resonance Imaging. 2018 , 12, 238	13
451	Altered functional connectivity of the default mode network by glucose loading in young, healthy participants. 2018 , 19, 33	10
450	Longitudinal effects of aging on F-FDG distribution in cognitively normal elderly individuals. 2018 , 8, 11557	18
449	. 2018 ,	
448	Longitudinal studies of the F-FDG kinetics after ipilimumab treatment in metastatic melanoma patients based on dynamic FDG PET/CT. 2018 , 67, 1261-1270	19
447	Towards quantitative [18F]FDG-PET/MRI of the brain: Automated MR-driven calculation of an image-derived input function for the non-invasive determination of cerebral glucose metabolic rates. 2019 , 39, 1516-1530	19
446	Quantitative [18F]-Naf-PET-MRI Analysis for the Evaluation of Dynamic Bone Turnover in a Patient with Facetogenic Low Back Pain. 2019 ,	
445	Functional Outcomes of Cerebellar Malformations. 2019 , 13, 441	17
444	A comprehensive preclinical assessment of late-term imaging markers of radiation-induced brain injury. 2019 , 1, vdz012	8
443	Radiosynthesis of F-labeled d-allose. 2019 , 486, 107827	
442	The Evaluation of Dynamic FDG-PET for Detecting Epileptic Foci and Analyzing Reduced Glucose Phosphorylation in Refractory Epilepsy. 2018 , 12, 993	12
441	2 The Basics of 2-[F-18]Fluoro-2-deoxy-D-glucose Radiochemistry and Biology. 2019 ,	
440	3 The Role of Glucose and FDG Metabolism in the Interpretation of PET Studies. 2019 ,	
439	Simultaneous estimation of tracer kinetic model parameters using analytical and inverse approaches with a hybrid method. 2019 , 96, 2567-2579	
438	MITK-ModelFit: A generic open-source framework for model fits and their exploration in medical imaging - design, implementation and application on the example of DCE-MRI. 2019 , 20, 31	11
437	Microliter-ordered automatic blood sampling system for fully quantitative analysis of small-animal PET. 2019 , 33, 586-593	

436	Structural and Functional Imaging of Muscle, Heart, Endocrine Pancreas and Kidneys in Cardiometabolic Drug Development. 2019 , 161-189	
435	Neoadjuvant Pazopanib Treatment in High-Risk Soft Tissue Sarcoma: A Quantitative Dynamic F-FDG PET/CT Study of the German Interdisciplinary Sarcoma Group. 2019 , 11,	6
434	Reprint of: Fluorodeoxyglucose positron emission tomography studies of the schizophrenia spectrum: The legacy of Monte S. Buchsbaum, M.D. 2019 , 277, 39-44	3
433	Efficient Bandwidth Estimation in 2D Filtered Backprojection Reconstruction. 2019 , 28, 5610-5619	1
432	Heterogeneity of Metabolic Defects in Type 2 Diabetes and Its Relation to Reactive Oxygen Species and Alterations in Beta-Cell Mass. 2019 , 10, 107	16
431	A Non-cognitive Behavioral Model for Interpreting Functional Neuroimaging Studies. 2019 , 13, 28	4
430	Functional resting-state brain connectivity is accompanied by dynamic correlations of application-dependent [F]FDG PET-tracer fluctuations. 2019 , 196, 161-172	11
429	Imaging in Neurodegeneration: Movement Disorders. 2019 , 3, 262-274	4
428	Biomarkers of Metabolism in Amyotrophic Lateral Sclerosis. 2019 , 10, 191	18
427	Quantitative dynamic F-fluorodeoxyglucose positron emission tomography/computed tomography before autologous stem cell transplantation predicts survival in multiple myeloma. 2019 , 104, e420-e423	7
426	[Molecular imaging of Alzheimer's disease]. 2019 , 160, 1289-1295	2
425	Imaging Modalities: Nuclear Medicine. 2019 , 29-56	
424	Serotonin 5-HT Receptor Biased Agonists Induce Different Cerebral Metabolic Responses: A [F]-Fluorodesoxyglucose Positron Emission Tomography Study in Conscious and Anesthetized Rats. 2019 , 10, 3108-3119	11
423	Comparative assessment of linear least-squares, nonlinear least-squares, and Patlak graphical method for regional and local quantitative tracer kinetic modeling in cerebral dynamic F-FDG PET. 2019 , 46, 1260-1271	3
422	Brain Glucose Metabolism: Integration of Energetics with Function. 2019 , 99, 949-1045	226
421	Can benign lymphoid tissue changes in F-FDG PET/CT predict response to immunotherapy in metastatic melanoma?. 2019 , 68, 297-303	30
420	Fluorodeoxyglucose positron emission tomography studies of the schizophrenia spectrum: The legacy of Monte S. Buchsbaum, M.D. 2019 , 271, 535-540	9
419	Non-invasive methods for measuring vascular changes in neurovascular headaches. 2019 , 39, 633-649	7

418	Non-BOLD contrast for laminar fMRI in humans: CBF, CBV, and CMR. 2019 , 197, 742-760	56
417	Parametric Imaging With PET and SPECT. 2020 , 4, 1-23	25
416	Image-based biomedical data modeling and parametric imaging. 2020 , 461-521	
415	Does 2-FDG PET Accurately Reflect Quantitative In Vivo Glucose Utilization?. 2020 , 61, 931-937	7
414	The Utility of PET/Computed Tomography for Radiation Oncology Planning, Surveillance, and Prognosis Prediction of Gastrointestinal Tumors. 2020 , 15, 77-87	2
413	Molecular imaging in biology and pharmacology. 2020 , 523-560	
412	Test-retest characteristic of [F]MK-6240 quantitative outcomes in cognitively normal adults and subjects with Alzheimer's disease. 2020 , 40, 2179-2187	11
411	Hybrid PET/MR imaging in myocardial inflammation post-myocardial infarction. 2020 , 27, 2083-2099	6
410	PET Parametric Imaging: Past, Present, and Future. 2020 , 4, 663-675	15
409	Monte Carlo Simulations of the GE Signa PET/MR for Different Radioisotopes. 2020 , 11, 525575	3
408	Pyruvate-lactate exchange and glucose uptake in human prostate cancer cell models. A study in xenografts and suspensions by hyperpolarized [1- C]pyruvate MRS and [F]FDG-PET. 2020 , 33, e4362	4
407	Hyperthermia can alter tumor physiology and improve chemo- and radio-therapy efficacy. 2020 , 163-164, 98-124	32
406	Selection of the optimal intensity normalization region for FDG-PET studies of normal aging and Alzheimer's disease. 2020 , 10, 9261	19
405	Disturbances in brain energy metabolism in insulin resistance and diabetes and Alzheimer's disease - Learnings from brain imaging biomarkers. 2020 , 154, 111-130	1
404	. 2020 , 4, 676-683	2
403	Nuclear Medicine in Times of COVID-19: How Radiopharmaceuticals Could Help to Fight the Current and Future Pandemics. 2020 , 12,	5
402	PET and SPECT Imaging of the Brain: History, Technical Considerations, Applications, and Radiotracers. 2020 , 41, 521-529	5
401	Multiparametric Cardiac F-FDG PET in Humans: Kinetic Model Selection and Identifiability Analysis. 2020 , 4, 759-767	3

400	Electroacupuncture-Related Metabolic Brain Connectivity in Neuropathic Pain due to Brachial Plexus Avulsion Injury in Rats. 2020 , 14, 35	4
399	Analysis of continuous infusion functional PET (fPET) in the human brain. 2020 , 213, 116720	9
398	Deschloroclozapine, a potent and selective chemogenetic actuator enables rapid neuronal and behavioral modulations in mice and monkeys. 2020 , 23, 1157-1167	63
397	. 2020 , 4, 729-734	1
396	Utility of Absolute Quantification in Non-lesional Extratemporal Lobe Epilepsy Using FDG PET/MR Imaging. 2020 , 11, 54	11
395	Historical and radiopharmaceutical relevance of [18F]FDG. 2020 , 323, 1017-1031	4
394	Influx rate constant of F-FDG increases in metastatic lymph nodes of non-small cell lung cancer patients. 2020 , 47, 1198-1208	8
393	Imaging biomarkers in neurodegeneration: current and future practices. 2020 , 12, 49	35
392	L-Glucose: Another Path to Cancer Cells. 2020 , 12,	4
391	Modulation of Glucose Availability and Effects of Hypo- and Hyperglycemia on Status Epilepticus: What We Do Not Know Yet?. 2021 , 58, 505-519	2
390	Estimation of simultaneous BOLD and dynamic FDG metabolic brain activations using a multimodality concatenated ICA (mCIICA) method. 2021 , 226, 117603	1
389	Analysis of Four-Dimensional Data for Total Body PET Imaging. 2021 , 16, 55-64	1
388	Imaging a Fever-Redefining the Role of 2-deoxy-2-[18F]Fluoro-D-Glucose-Positron Emission Tomography/Computed Tomography in Fever of Unknown Origin Investigations. 2021 , 72, 1279-1286	7
387	PET Imaging in Cancer Clinical Trials. 2021 , 1503-1516	
386	New PET radiopharmaceuticals for imaging CNS diseases. 2021 ,	
385	Pharmacokinetic Modeling. 2021 , 1625-1631	0
384	Positron emission tomography imaging agents for evaluating the pathologic features of Alzheimer's disease and drug development. 2021 , 367-412	
383	Optimized Methodology for Reference Region and Image-Derived Input Function Kinetic Modeling in Preclinical PET. 2021 , 1-1	0

382	Quantitative Analysis in PET Imaging. 2021 , 551-571	
381	Deuterated water imaging of the rat brain following metabolism of [^2H]glucose. 2021 , 85, 3049-3059	5
380	Performance of PET imaging for the localization of epileptogenic zone in patients with epilepsy: a meta-analysis. 2021 , 31, 6353-6366	8
379	Quantification of Hypoxia in Human Glioblastoma using PET with ^{18}F -FMISO. 2021 , 55, 107-115	1
378	Quantitative Dynamic F-FDG PET/CT in Survival Prediction of Metastatic Melanoma under PD-1 Inhibitors. 2021 , 13,	4
377	Post-traumatic Headache and Mild Traumatic Brain Injury: Brain Networks and Connectivity. 2021 , 25, 20	2
376	Hyperpolarized C-glucose magnetic resonance highlights reduced aerobic glycolysis in vivo in infiltrative glioblastoma. 2021 , 11, 5771	4
375	Recent advances in pre-clinical diagnosis of Alzheimer's disease. 2021 , 1	
374	F-fluoro-2-deoxy-d-glucose (FDG) uptake. What are we looking at?. 2021 , 48, 1278-1286	1
373	Quantitation of multiple injection dynamic PET scans: an investigation of the benefits of pooling data from separate scans when mapping kinetics. 2021 , 66,	1
372	PET Neuroimaging of Alzheimer's Disease: Radiotracers and Their Utility in Clinical Research. 2021 , 13, 624330	5
371	Measuring Glycolytic Activity with Hyperpolarized [^2H , U- ^{13}C] D-Glucose in the Naive Mouse Brain under Different Anesthetic Conditions. 2021 , 11,	2
370	In vivo glucose imaging in multiple model organisms with an engineered single-wavelength sensor. 2021 , 35, 109284	7
369	Incorporation of anatomical MRI knowledge for enhanced mapping of brain metabolism using functional PET. 2021 , 233, 117928	3
368	Estimation of the net influx rate K and the cerebral metabolic rate of glucose MR using a single static [^{18}F]FDG PET scan in rats. 2021 , 233, 117961	1
367	Dissociations between glucose metabolism and blood oxygenation in the human default mode network revealed by simultaneous PET-fMRI. 2021 , 118,	1
366	Reply to Alexa R. Meyer, Steven P. Rowe, and Nirmish Singla's Letter to the Editor re: Patrick D. McGillivray, Daiki Ueno, Aydin Pooli, et al. Distinguishing Benign Renal Tumors with an Oncocytic Gene Expression (ONEX) Classifier. Eur Urol 2021;79:107-11. Integrating Tc-sestamibi and ONEX to Optimize Risk Stratification for Renal Masses. 2021 , 80, e22-e23	
365	Metabolic derangements are associated with impaired glucose delivery following traumatic brain injury. 2021 ,	1

364	A picture is worth a thousand words: a history of diagnostic imaging for lymphoma. 2021 , 94, 20210285	0
363	The Role of Positron Emission Tomography in Bariatric Surgery Research: a Review. 2021 , 31, 4592-4606	0
362	Working memory task induced neural activation: A simultaneous PET/fMRI study. 2021 , 237, 118131	2
361	Metformin and Cancer Glucose Metabolism: At the Bench or at the Bedside?. 2021 , 11,	2
360	Generation of parametric K images for FDG PET using two 5-min scans. 2021 , 48, 5219-5231	2
359	Source-to-Target Automatic Rotating Estimation (STARE) [a] publicly-available, blood-free quantification approach for PET tracers with irreversible kinetics: Theoretical framework and validation for [18F]FDG.	
358	[11C]HCN Radiochemistry: Recent Progress and Future Perspectives. 2021 , 2021, 4653-4682	5
357	Dynamic and metabolic quantification of nuclear medicine images in the PET/CT modality. 2021 , 37, 299-318	
356	Effects of nicotine on cerebral metabolism. 1990 , 152, 131-40; discussion 140-6	2
355	Neurochemical Imaging with Emission Tomography: Clinical Applications. 2006 , 7-37	2
354	Evaluation of drug candidates: efficacy readouts during lead optimization. 2005 , 62, 185-255	7
353	Quantitative Assay Development for PET. 2004 , 125-216	10
352	In Vivo Methods for the Rate of Serotonin Synthesis and Axonal Transport Measurements in the Brain. 1991 , 37-77	2
351	The Physiological and Biochemical Bases of Functional Brain Imaging. 2008 , 327-334	4
350	Magnetic Resonance Spectroscopy Studies of Autistic Spectrum Disorders. 2013 , 213-227	2
349	Imaging Studies in Anticancer Drug Development. 2011 , 275-302	2
348	Positron Emission Tomography of the Brain. 1994 , 1-22	1
347	Concepts and Techniques Used in Metabolic Tracer Studies. 1986 , 213-231	3

346	Fluorodeoxyglucose (FDG) Positron Emission Tomography (PET). 2012 , 271-304	1
345	The Coupling of Cerebral Metabolic Rate of Glucose and Cerebral Blood Flow In Vivo. 2012 , 417-432	1
344	PET Studies of Brain Metabolism in Exercise Research. 2012 , 351-373	1
343	Rat brain glucose concentration and transport kinetics determined with ¹³ C nuclear magnetic resonance spectroscopy. 1993 , 331, 29-34	3
342	PET imaging in soft tissue sarcomas. 1997 , 91, 51-64	14
341	The Deoxyglucose Method for the Measurement of Local Glucose Utilization and the Metabolic Mapping of Functional Neural Pathways in the Central Nervous System. 1985 , 79-116	1
340	Measurement of Local Glucose Utilization in the Central Nervous System and Its Relationship to Local Functional Activity. 1983 , 225-257	5
339	Measurement of local cerebral glucose utilization and its relation to local functional activity in the brain. 1991 , 291, 21-42	38
338	Autoradiographic measurement of the rate of serotonin synthesis in the rat brain. 1991 , 294, 93-105	4
337	The Radioactive Deoxyglucose Method. 1982 , 1-82	60
336	The Epilepsies. 1985 , 339-419	3
335	Principles of Single Photon Emission Computed Tomography and Positron Emission Tomography. 2001 , 19-29	1
334	In Vivo ¹⁹ F NMR. 1992 , 241-276	3
333	Functional Activation of Energy Metabolism in Nervous Tissue: Where and Why. 1996 , 147-169	1
332	The Study of Personality with Positron Emission Tomography. 1987 , 251-267	21
331	Positron Emission Tomography and Neuropsychological Function. 1989 , 65-138	21
330	Quantitative Approaches to Positron Emission Tomography. 2007 , 155-167	1
329	Siemens Biograph Vision 600. 2020 , 71-91	3

328	Transport and Metabolism of Glucose and FDG. 2004 , 29-42	1
327	Basic Principles Underlying Radioisotopic Methods for Assay of Biochemical Processes in Vivo. 1983 , 202-234	11
326	Tracer Kinetic Modeling in Positron Computed Tomography. 1983 , 298-344	1
325	Kinetic Analysis of the Uptake of Glucose and Some of its Analogs in the Brain Using the Single Capillary Model: Comments on Some Points of Controversy. 1983 , 384-407	10
324	The Use of ¹¹ C-Methyl-D-Glucose for Assessment of Glucose Transport in the Human Brain; Theory and Application. 1983 , 408-428	1
323	Physiological Changes During Brain Activation. 2000 , 3-13	2
322	Regulation of Cerebral Energy Metabolism. 2000 , 25-34	1
321	The Potential Role of Positron Emission Tomography in Investigation of Microenvironment. 2000 , 161-191	1
320	Metabolism and Transport of Glucose and FDG. 1999 , 43-57	2
319	The Current State of rCBF, rCMRO ₂ , rCBV, and rCMRGlu Studies at the Hammersmith Hospital. 1985 , 419-429	2
318	Correlative Studies of the Brain with Positron Emission Tomography, Nuclear Magnetic Resonance, and X-Ray Computed Tomography. 1985 , 523-539	2
317	Positron Tomography and the Differential Diagnosis and Pathophysiology of Alzheimer's Disease. 1985 , 124-133	2
316	Uncoupling of Flow and Metabolism in Infarcted Tissue. 1985 , 43-57	6
315	Remote Effects of Focal Lesions on Cerebral Flow and Metabolism. 1985 , 59-83	19
314	Focal Flow Disturbances in Acute Strokes: Effects on Regional Metabolism and Tissue pH. 1985 , 85-105	6
313	The Significance of Regional Cerebral Blood Flow and Metabolism for Processes of Aging and Dementia. 1986 , 146-153	3
312	Measurement of Regional Hemodynamic and Metabolic Changes in the Central Nervous System with Imaging Techniques. 1989 , 345-392	4
311	Positron Emission Tomography in Schizophrenia. 1990 , 285-300	1

310	Blood-Brain Glucose Transfer. 1992 , 65-115	21
309	Mental Activity and Changes in Cerebral Blood Flow Evaluated by Transcranial Doppler Sonography. 1992 , 200-211	3
308	Contribution of Positron Emission Tomography to Pharmacokinetic Studies. 1994 , 455-480	2
307	Spezielle Syntheseverfahren mit kurzlebigen Radionukliden und Qualitätskontrolle. 1988 , 31-117	2
306	Biochemical Principles for the Measurement of Metabolic Rates in Vivo. 1983 , 2-18	5
305	Positron Emission Tomography of Stroke Patients. 1983 , 113-119	2
304	Mapping Local Cerebral Glucose Utilization in Normal Aging and in Cerebrovascular, Degenerative, and Epileptic Disorders. 1983 , 128-138	3
303	Human Sensory Stimulation and Deprivation as Demonstrated by Positron Computed Tomography. 1983 , 139-152	7
302	Remote Functional Depression of Glucose Metabolism in Stroke and its Alteration by Activating Drugs. 1983 , 162-168	25
301	Regional Perfusion and Glucose Uptake Determination with ¹¹ C-Methyl-Glucose and Dynamic Positron Emission Tomography. 1983 , 169-180	6
300	Glycolytic Rate and Histologic Grade of Human Cerebral Gliomas: A Study with [¹⁸ F]Fluorodeoxyglucose and Positron Emission Tomography. 1983 , 181-191	12
299	Biochemical Parameters in Radiopharmaceutical Design. 1983 , 65-76	6
298	The in vivo metabolic investigation of brain gliomas with positron emission tomography. 1998 , 24, 41-76	4
297	Quantitative analysis of ¹⁸ F-FDG-PET in the presurgical evaluation of patients suffering from refractory partial epilepsy. Comparison with CT, MRI, and combined subdural and depth. EEG. 1990 , 50, 88-94	3
296	Mapping of cerebral energy metabolism in rats with genetic generalized nonconvulsive epilepsy. 1992 , 35, 141-53	14
295	Glucose metabolism in psychiatric disorders: how can we facilitate comparisons among studies?. 1992 , 37, 1-18	2
294	The FDG model and its application in clinical PET studies. 1992 , 37, 39-52	4
293	PET-study of intracranial meningiomas: correlation with histopathology, cellularity and proliferation rate. 1996 , 65, 108-11	31

292	Historical Review of Developments in the Field of Cerebral Blood Flow and Metabolism. 2001 , 3-10	2
291	Assessment of glucose utilization in normal and ischemic myocardium with positron emission tomography and 18F-deoxyglucose. 1987 , 241-263	2
290	The Interrelationships of Cerebral Blood Flow and Cerebral Metabolism and its Study with Positron Emission Tomography in Man. 1983 , 407-435	3
289	3-(11C)-Methyl-D-Glucose, an Agent for the Assessment of Regional Glucose Transport Across the Blood-Brain Barrier. 1982 , 199-211	3
288	11C-methionine Uptake in Brain Tumors Measured by PET: Early Clinical Results. 1993 , 243-254	1
287	Imaging Techniques In Studies Of Neural Functions. 1992 , 1-37	9
286	Brain Imaging of Auditory Learning Functions in Rats: Studies with Fluorodeoxyglucose Autoradiography and Cytochrome Oxidase Histochemistry. 1992 , 39-109	43
285	Investigation of the Dopamine System with Positron Emission Tomography: General Issues in Modelling. 1991 , 65-83	4
284	Quantification of FDG Uptake Using Kinetic Models. 1998 , 153-162	1
283	Applications of 3D PET. 1998 , 133-167	7
282	Kinetic modeling and parametric imaging with dynamic PET for oncological applications: general considerations, current clinical applications, and future perspectives. 2021 , 48, 21-39	32
281	Cerebral Metabolism and Blood Flow. 2003 , 609-617	1
280	Positron emission tomographic studies of local cerebral glucose metabolism in humans in physiological and pathophysiological conditions. 1983 , 10, 135-76	23
279	Regional cerebral metabolic rate of glucose measured by 18F-DG PET in Huntington's disease, benign hereditary chorea and Wilson's disease. 1990 , 119-133	1
278	Double- and Single-Label Quantitative Autoradiography for Cerebral Physiology. 1990 , 3, 64-89	2
277	BIOCHEMICAL CORRELATES OF LEARNING AND MEMORY. 1986 , 165-201	4
276	Classification of Dynamic PET Images Using a Priori Kinetic Factors. 1998 , 107-115	2
275	A Kinetic Model for Double Injection 18FDG Studies. 1996 , 214-218	1

274	Generation of Parametric Images Using Factor Analysis of Dynamic PET. 1996 , 292-296	4
273	Tracer Kinetic Modeling via Basis Pursuit. 2002 , 115-121	2
272	In vivo metabolism of 3-deoxy-3-fluoro-D-glucose.. 1990 , 265, 12417-12423	20
271	Positron Emission Tomography (PET) and Single-Photon Emission Computed Tomography (SPECT) of Brain Tumors. 1991 , 9, 287-305	8
270	Positron Tomography in Ischemic Cerebrovascular Disease. 1983 , 1, 183-200	42
269	EVALUATION OF THE BRAIN BY POSITRON EMISSION TOMOGRAPHY. 1993 , 19, 765-794	10
268	Cortical metabolic patterns in schizophrenia: a mismatch with the positive-negative paradigm. 1991 , 6, 7-19	4
267	Scalp Topographic Distribution of Beta and Gamma Ratios During Sleep. 2002 , 16, 107-113	2
266	Correlations of regional cerebral metabolism with memory performance and executive function in patients with herpes encephalitis or frontal lobe lesions. 2005 , 19, 555-65	16
265	Future of positron-emission tomography in oncology. 1998 , 227, 324-5	5
264	Staging of the axilla in breast cancer: accurate in vivo assessment using positron emission tomography with 2-(fluorine-18)-fluoro-2-deoxy-D-glucose. 1998 , 228, 220-7	100
263	Hematopoietic cytokine-mediated FDG uptake simulates the appearance of diffuse metastatic disease on whole-body PET imaging. 1998 , 23, 93-8	86
262	Tc-99m ethyl cysteinate dimer SPECT and 2-[F-18]fluoro-2-deoxy-D-glucose PET in Alzheimer's disease. Comparison of perfusion and metabolic patterns. 1999 , 24, 572-5	14
261	Evaluation of standardized uptake value to assess cerebral glucose metabolism. 2000 , 25, 11-6	13
260	Brain Glucose Hypometabolism After Perirhinal Lesions in Baboons: Implications for Alzheimer Disease and Aging. 2002 , 1248-1261	7
259	Positron Emission Tomography Compartmental Models: A Basis Pursuit Strategy for Kinetic Modeling. 2002 , 1425-1439	73
258	Simultaneous emission and transmission (SET) scanning in neurological PET studies. 1997 , 21, 487-97	9
257	Visualization of the cervical spinal cord with FDG and high-resolution PET. 1998 , 22, 487-91	37

256	Decreased cerebral glucose utilization in rats during the ebb phase of thermal injury. 1996 , 40, 930-5	16
255	The in vivo metabolic pattern of low-grade brain gliomas: a positron emission tomographic study using 18F-fluorodeoxyglucose and 11C-L-methylmethionine. 1997 , 40, 276-87; discussion 287-8	82
254	Improved temporal resolution for mapping brain metabolism using functional PET and anatomical MRI knowledge.	2
253	In vivoglucose imaging in multiple model organisms with an engineered single-wavelength sensor.	5
252	Analysis of continuous infusion functional PET (fPET) in the human brain.	3
251	Deschloroclozapine, a potent and selective chemogenetic actuator enables rapid neuronal and behavioral modulations in mice and monkeys.	2
250	Assessment of benzodiazepine receptors using iodine-123-labeled iomazenil single-photon emission computed tomography in patients with ischemic cerebrovascular disease. A comparison with PET study. 1997 , 28, 1776-82	31
249	Glucose utilization in a patient with hepatoma and hypoglycemia. Assessment by a positron emission tomography. 1992 , 89, 1958-63	50
248	Compartmentation of hexokinase in rat heart. A critical factor for tracer kinetic analysis of myocardial glucose metabolism. 1992 , 90, 1972-7	57
247	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. 1996 , 97, 1741-7	113
246	Reciprocal limbic-cortical function and negative mood: converging PET findings in depression and normal sadness. 1999 , 156, 675-82	1621
245	Assessment of population-based input functions for Patlak imaging of whole body dynamic F-FDG PET. 2020 , 7, 67	11
244	[18F]fluorodeoxyglucose uptake in neonatal acute lung injury measured by positron emission tomography. 1997 , 41, 892-6	16
243	Glucose consumption in recurrent gliomas. 1993 , 33, 28-33	29
242	The relationship between cerebral glucose metabolism and age: report of a large brain PET data set. 2012 , 7, e51517	36
241	Changes in topological organization of functional PET brain network with normal aging. 2014 , 9, e88690	28
240	Imaging Radiation-Induced Gastrointestinal, Bone Marrow Injury and Recovery Kinetics Using 18F-FDG PET. 2017 , 12, e0169082	5
239	Estradiol modulates neural response to conspecific and heterospecific song in female house sparrows: An in vivo positron emission tomography study. 2017 , 12, e0182875	15

238	Advances in neuroimaging of traumatic brain injury and posttraumatic stress disorder. 2009 , 46, 717-57	69
237	In Vivo Glucose Imaging in Multiple Model Organisms with an Engineered Single-Wavelength Sensor.	2
236	Recent progress of imaging agents for Parkinson's disease. 2014 , 12, 551-63	10
235	RECENT PROGRESS IN RESEARCH ON AUDITORY MECHANISMS. 1985 , 6, 1-12	1
234	Simplified [18F]FDG Image-Derived Input Function Using the Left Ventricle, Liver, and One Venous Blood Sample. 2010 , 9, 7290.2010.00004	18
233	Cross-species hybridization of woodchuck hepatitis virus-induced hepatocellular carcinoma using human oligonucleotide microarrays. 2006 , 12, 4646-51	8
232	Positron Emission Tomography in Psychiatric Disorders. 1985 , 15, 268-271	2
231	Comparison of different quantification methods for 18F-fluorodeoxyglucose-positron emission tomography studies in rat brains. 2019 , 74, e1273	4
230	Physical and Biological Bases of Spatial Distortions in Positron Emission Tomography Images. 2000 , 439-448	
229	FDG: biochemical concept and radiochemical synthesis. 2000 , 55-65	
228	Neurochemical Imaging with Emission Tomography: Clinical Applications. 2000 , 7-35	1
227	Image reconstruction, quantification and standard uptake value. 2000 , 17-32	
226	Accuracy of FDG Images as a Measure of Cerebral Glucose Metabolic Rate. 2001 , 109-114	
225	Brain Energy Metabolism: Cellular Aspects and Relevance to Functional Brain Imaging. 2001 , 203-209	
224	Impaired Cerebral Connectivity in Vegetative State. 2001 , 329-334	
223	Validation of Noninvasive Quantification Technique for Neurologic FDG-PET Studies. 2001 , 121-125	1
222	Regional FDG Lumped Constant in the Normal Human Brain. 2001 , 115-120	
221	The Functional Anatomy of the Amnesic Syndrome Studied with Resting [18F]FDG-PET and SPM. 2001 , 369-375	

- 220 Brain Activation during Somatosensory and Auditory Stimulation in Acute Vegetative State of Anoxic Origin. **2001**, 319-327
- 219 Is a FDG Template Applicable to Standardization of CBF Images in a 3D SSP System?. **2002**, 181-183
- 218 Diagnosis and Clinical Features of Colorectal Cancer. **2002**, 79-93
- 217 Brain ischemia and spreading depression in a primate model. **2002**, 127-144
- 216 Use of MM Algorithm for Regularization of Parametric Images in Dynamic PET. **2002**, 107-114 1
- 215 Functional Magnetic Resonance Imaging. **2002**, 92-134
- 214 Functional and Molecular Imaging Using Positron Emission Tomography. **2003**, 295-314
- 213 Labeled Agents as Tracers and Carriers: Theory and Practice. **2003**, 85-97
- 212 ¹⁸F: Labeling Chemistry and Labeled Compounds. **2003**, 1465-1507
- 211 Measurements of Biochemical Reactions In Vivo. **2003**, 3-29
- 210 Emission Imaging. **2003**,
- 209 Principles of Positron Emission Tomography Imaging. **2004**, 3-30
- 208 Perfusion Tracers: Biological Bases and Clinical Implications. **2004**, 33-44
- 207 Principles of PET/CT. **2004**, 44-61 1
- 206 Quantitative measurement of cerebral metabolic rate of glucose by means of dual-head coincidence gamma camera and 2-deoxy-2- [¹⁸F] fluoro-D-glucose. **2005**, 25, S670-S670
- 205 Principles and methods. **2005**, 3-30
- 204 Overview of PET in Epilepsy and Epilepsy Surgery. **2005**, 353-382
- 203 Overview of oncologic applications of PET and PET/CT. **2005**, 71-80

202 The Developing Brain. **2006**, 323-333

201 Noninvasive Neuroimaging Techniques for the Study of Primate Brain Development. **2006**, 485-511

0

200 Functional Brain Imaging. 551-599

199 Techniques for Parametric Imaging. **2008**, 137-IX

1

198 Pharmacokinetics Application in Biophysics Experiments. **2008**, 211-228

197 Molecular Imaging in Biology and Pharmacology. **2008**, 457-XLV

196 Guidelines and Recommendations for Practices of Their Clinical Use of Standards of Compounds Labeled with Positron Emitting Radionuclides Approved as Established Techniques (2009 revision). **2009**, 58, 443-454

3

195 Surgically Unresectable and Chemotherapy-Refractory Metastatic Liver Carcinoma: Treatment with Yttrium-90 Microsphere Followed by Assessment with Positron Emission Tomography. **2009**, 103-114

194 Molecular Imaging of the CNS: Drug Actions. **2010**, 191-211

193 Tracer Kinetic Modeling: Methodology and Applications. **2010**, 353-376

192 In-vivo Electrophysiology of Anesthetic Action. **2011**, 243-255

191 Brain Hypometabolism, Oxidative Stress, Maternal Transmission, and Risk of Late-Onset Alzheimer's Disease. **2013**, 137-157

190 Imaging Platforms and Drug Development: An Introduction. **2014**, 1-43

189 Imaging in Drug Development. **2014**, 731-746

188 MRI/PET Brain Imaging. **2014**, 93-137

187 ¹⁸F-Fluorodeoxyglucose PET Procedures: Health Economic Aspects in Neurology. **2014**, 31-57

186 PET Quantification in Neuropsychiatry. **2014**, 15-44

185 Tracer Kinetic Modelling. **2014**, 59-73

- 184 Encyclopedia of Computational Neuroscience. **2014**, 1-14
- 183 Regional Cerebral Blood Flow and Regional Cerebral Oxygen Utilisation in Acute Cerebral Ischaemia. **1981**, 27-33
- 182 Measurement of Regional Cerebral Function for Neurological Research Using Positron Emission Tomography and Shortlived Cyclotron Produced Isotopes. **1982**, 189-198
- 181 Principles and Application of Positron Emission Tomography in Neuroscience. **1982**, 331-347
- 180 CEREBRAL FUNCTIONAL ACTIVITY MAPPED WITH 18F-2-DEOXY-2-FLUORO-D-GLUCOSE. **1982**, 239-250 1
- 179 MACROMOLECULES AND BEHAVIOR. **1982**, 317-340
- 178 Diagnosis [Methods for Evaluating Myocardial Microcirculation in Patients. **1982**, 165-228
- 177 Functional Landscapes in the Cerebral Cortex Related to Speech. **1982**, 61-65
- 176 Contemporary Aphasia Diagnostics. **1984**, 11, 1-111
- 175 Durchblutung und Stoffwechsel bei degenerativen Erkrankungen des Gehirns. **1984**, 66-79
- 174 Changes of Energy Metabolism and Regional Cerebral Blood Flow Studied by Positron Emission Tomography in the Interictal Phase of Partial Epilepsy. **1984**, 35-46 1
- 173 Localization of functional activity in the central nervous system by metabolic probes. **1984**, 9-29
- 172 Möglichkeiten und Grenzen radiobiochemischer Ansätze in der Emissionstomographie. **1985**, 125-144 3
- 171 Determination of Regional Glucose Metabolism in the Brain by FDG and PET. **1985**, 391-402 1
- 170 Literaturhinweise. **1985**, 117-122
- 169 Neue Verfahren zur Messung von Durchblutung und Metabolismus des Gehirns. **1985**, 35-45
- 168 Evaluation and Comparison of Various Strategies for Estimating Local Cerebral Glucose Metabolic Rate from Brain Images in Positron Emission Tomography. **1985**, 716-720
- 167 New Agents for Probing Glucose Turnover and Receptor Densities in the Brain. **1985**, 89-121

166 Messung des Glukosestoffwechsels. **1985**, 47-93

165 Functional Aspects of Human Brain Tumours as Studied by Positron Emission Tomography. **1986**, 63-82

2

164 PET Studies of Local Brain Metabolism During Sensory and Motor Tasks: Strategies, Results and Applications in Neurologic and Psychiatric Diseases. **1986**, 429-440

1

163 Current Status of Cardiothoracic Surgery. **1986**, 28-38

162 Remote Metabolic Disturbances in Lesions of Brain Stem and Diencephalon [A PET -Study. **1986**, 207-212

1

161 Clinical Applications of PET: Studies of Brain Glucose Metabolism in Pediatric Neurology. **1987**, 137-147

160 Improved Measurement of Regional Glucose Metabolism by Individual Determination of the Lumped and Kinetic Constants in Stroke Patients. **1987**, 186-201

159 Determination of Regional Glucose Metabolism in the Brain by Positron Emission Tomography Using 18F-Fluoro-2-deoxy-D-glucose. **1987**, 27-31

158 Examination of Organ Physiology by Positron Emission Tomography. **1987**, 461-476

157 Positronenemissionstomographie in der Differentialdiagnostik und Therapiekontrolle dementieller Erkrankungen. **1988**, 51-73

156 Klinische Anwendung der Positronen-Emissionstomographie. **1988**, 315-469

155 PET-Befunde bei dementiellen Erkrankungen: Beiträge zur Differentialdiagnose und Objektivierung therapeutischer Effekte. **1988**, 109-134

154 Positron Emission Tomography and Myocardial Biochemistry. **1988**, 145-154

153 Modelle zur Quantifizierung von PET-Messungen. **1989**, 30-67

152 Metabolic Assessment of Functional Maturation and Neuronal Plasticity in the Human Brain. **1989**, 323-330

2

151 Early Changes in Regional Cerebral Metabolic Rates for Glucose and Oxygen and in Regional Cerebral Blood Flow of Malignant Gliomas After Intraarterial Chemotherapy with ACNU: Positron Emission Tomography Studies in 14 Patients. **1989**, 7-10

150 Imaging the Basal Ganglia. **1989**, 165-183

149 Strategies for In Vivo Quantification of Human Neuroreceptors by Positron Emission Tomography. **1990**, 386-399

- 148 Findings in Myocardial Ischemia by Metabolic Imaging with Positron Emission Tomography. **1990**, 150-165
- 147 On Ideation and Ideography. **1990**, 253-266
- 146 Evaluation of glucose transport in malignant glioma by PET. **1990**, 51, 165-7 1
- 145 Progressive Aphasia without Global Dementia Examined by Dynamic PET Scan. **1990**, 77-80
- 144 Decreased hippocampal metabolic rate in patients with SDAT assessed by positron emission tomography during olfactory memory task. **1990**, 459-472
- 143 Comparison of Local Cerebral Glucose and Dopamine Metabolism between Parkinson Disease and Parkinsonism by Positron Emission Tomography. **1990**, 103-106
- 142 Identification of the Side of the Epileptic Focus with ¹²³I-Iomazenil SPECT. **1990**, 95-99
- 141 Brain imaging with positron emission tomography in affective illness. **1990**, 73-82
- 140 Quantitation Problems in Positron Emission Tomography (PET) as Applied to the Kinetic Analysis of the Striatum Dopamine Data. **1991**, 53-64
- 139 Positron emission tomographic study in Parkinson disease—rigid vs tremor type. **1991**, 179-186 3
- 138 Biochemistry of Halogenated Carbohydrates. **1991**, 193-252
- 137 Positron Emission Tomography in the Study of Neonatal Brain. **1991**, 171-181
- 136 Glucose Metabolism: An Index of Nicotine Action in the Brain. **1991**, 239-248
- 135 Positron Emission Tomography Studies of Cerebellar Degeneration. **1992**, 443-459
- 134 Functional Mapping of the Human Brain. **1993**, 77-91 1
- 133 Secondary Damage of the Cerebral Cortex: Blood Flow and Metabolic Studies. **1993**, 256-259 1
- 132 Blood-brain barrier transport measurements using PET-scanning and intravenous double indicator technique. **1993**, 333, 251-6 1
- 131 Positron Emission Tomography. **1994**, 457-474

- 130 Metabolische Darstellung ischämischer Bereiche durch die Positronenemissionstomographie. **1994**, 210-219
- 129 Diagnostic imaging techniques with special reference to PET. **1994**, 53-67
- 128 Do the Effects of Muscarinic Receptor Blockade on Brain Glucose Consumption Mimic the Cortical and Subcortical Metabolic Pattern of Alzheimer's Disease in Normal Volunteers ?. **1995**, 123-132
- 127 Topographie und Bedeutung kortikaler Stoffwechselstörungen bei hemiparetischem Hirninfarkt. **1995**, 200-203
- 126 Tumour aggressiveness determined by kinetic analysis of glucose metabolism in meningiomas. **1995**, 177-179
- 125 Präoperative Herdlokalisierung fokaler Epilepsien mit der Positronen-Emissions-Tomographie (PET). **1995**, 278-281
- 124 The Basics of Positron Emission Tomographic (PET) Imaging. **1995**, 3-26
- 123 Comparison of positron emission tomography, xenon CT and single photon emission CT in infants with intractable seizures. **1995**, 262-264
- 122 Positron emission tomographic (PET) radiopharmaceuticals. **1995**, 157-167
- 121 SPECT versus PET. **1995**, 237-247
- 120 Synthesis of Fluorine-18 Labeled Compounds for Brain Imaging. **1995**, 347-356
- 119 Positron emission tomography Analysis of biochemical reactions in the living human body. **1995**, 20, 71-79
- 118 Neuro-anatomie fonctionnelle de la perception : Etudes par la tomographie β -positons. **1995**, 119-133
- 117 Metabolic Depression in the Striatum, Thalamus and Cerebral Cortex due to Lesions in the Globus Pallidus. **1996**, 277-283
- 116 Assessment of viability in noncontractile myocardium before revascularization and prediction of functional recovery by PET. **1996**, 259-275
- 115 Parametric Imaging by Mixture Analysis in 3D Validation for Dual-Tracer Glucose Studies. **1996**, 297-II 2
- 114 Use of PET Radiopharmaceuticals to Probe Cardiac Receptors. **1996**, 331-351
- 113 Application of Simultaneous Emission and Transmission Scanning to Quantitative Cerebral PET. **1996**, 51-56 1

- 112 Dynamic Studies on the Possible Neural Pathway Mediating Parkinsonian Symptoms (Tremor, Rigidity and Did) Using Pet Scan and Microrecording. **1996**, 261-267
- 111 Role of Neuron-Glia Interactions in Coupling Neuronal Activity to Energy Metabolism. **1997**, 555-560
- 110 SPECT vs. PET. **1997**, 275-288
- 109 Mapping Cerebral Responses to Volatile Anesthetics in Humans. **1998**, 273-290
- 108 Stoffwechsel und Transport von Glucose und FDG. **1998**, 31-45 1
- 107 Die Rolle der F-18-FDG-Positronen-Emissions-Tomographie für chirurgische Fragestellungen. **1998**, 261-269
- 106 Validation of an [18 F]FluorodeoxyglucosePET Protocol in Conscious Vervet Monkey. **1998**, 177-182
- 105 Methods: principles, anatomical and physiological bases PET and SPECT. **1998**, 31-42
- 104 Tracers. **1998**, 277-286
- 103 An Assessment of Optimal Image Sampling Schedule Design in Dynamic PET/EDG Studies. **1998**, 315-320 7
- 102 Simultaneous Extraction of Physiological and Input Function Parameters from PET Measurements 1
1Transcripts of the BRAINPET97 discussion of this chapter can be found in Section VIII.. **1998**, 321-327 1
- 101 Some Maximum Likelihood Methods Useful for the Regional Analysis of Dynamic PET Data on Brain Glucose Metabolism. **1999**, 298-309
- 100 Positron Emission Tomography of the Human Brain. **1999**, 1083-1097
- 99 Principles and Instrumentation of Positron Emission Tomography. **1999**, 71-79
- 98 Comparative Analysis of Kinetic Models to Study Glucose Metabolism of the Brain. **1999**, 105-110
- 97 Brain. **2015**, 3-12
- 96 An Overview of PET Studies of the Cerebral Uptake of Amino Acids. **2015**, 339-355
- 95 Age-Related Glucose Metabolism Changes in Brain. **2015**, 157-196

- 94 Large Scale Simplex Optimisation to Accelerate Kinetic Analysis. **2015**, 35-42
- 93 Assessment of myocardial metabolic rate of glucose by means of Bayesian ICA and Markov Chain Monte Carlo methods in small animal PET imaging. **2016**, 22, 69-75 2
- 92 Physiologic and Molecular Basis of PET in Cancer Imaging. **2017**, 399-427 0
- 91 Imaging of hypoxia in human glioblastoma with dynamic 18F-fluoromisonidazole PET.. **2019**, 2, 131-140
- 90 [12. Metabolite Analysis for Development and Quantification of Molecular Imaging Probes]. **2019**, 75, 71-79
- 89 Peculiar cases of a sleeping brain in alert cancer patients.
- 88 No metabolic default mode of human brain function.
- 87 Radionuclide-Based Imaging of Breast Cancer: State of the Art. **2021**, 13, 3
- 86 Biochemical Considerations in the Design of Radiopharmaceuticals. **1983**, 299-317
- 85 Recent Nuclear Data Measurements Relevant to the Cyclotron Production of Some Medically Important Short-Lived Radiohalogens. **1983**, 909-915 1
- 84 New Research Techniques for Studying the Functional Anatomy of Depression. **1983**, 273-295
- 83 Images of the Future. **1983**, 677-687
- 82 Animal Models in Biomedical Research and Radiotracer Design. **1983**, 1-34 0
- 81 Applications of Positron Emission Tomography to Neurosurgery. **1983**, 3-18
- 80 Measurement of Local Cerebral Glucose Metabolism: Application to the Study of Stroke. **1983**, 153-161 1
- 79 Measurement of local glucose utilization and its use in localization of functional activity in the central nervous system of animals and man. **1983**, 39, 75-126 5
- 78 Blood Flow. **1983**, 653-688
- 77 Pharmacokinetic Models and Positron Emission Tomography: Studies of Physiologic and Pathophysiologic Conditions. **1983**, 345-383 1

- 76 Positron Emission Tomography. **2020**, 285-312
- 75 Application of Annihilation Coincidence Detection to Transaxial Reconstruction Tomography. **2020**, 61, 42S-43S
- 74 Explicit measurement of multi-tracer arterial input function for PET imaging using blood sampling spectroscopy. **2020**, 7, 7 2
- 73 Chapter 12: Radiopharmaceutical Chemistry: PET Agents. **2020**,
- 72 Chapter 24: Brain. **2020**,
- 71 History of PET. **2002**, 1-17
- 70 Radiochemistry and Radiopharmacy. **2007**, 34-76
- 69 Measuring Response to Chemotherapy in Locally Advanced Breast Cancer: Methodological Considerations. **2008**, 169-180
- 68 Transferring Whole Blood Time Activity Curve to Plasma in Rodents Using Blood-Cell-Two-Compartment Model. **2008**, 169-178
- 67 Evaluation of Exercise-Induced Organ Energy Metabolism Using Two Analytical Approaches: A PET Study. **2009**, 2204-2206
- 66 Synthesis and evaluation of N-isopropyl-p-[C]methylamphetamine as a novel cerebral blood flow tracer for positron emission tomography. **2020**, 10, 115 0
- 65 Tracer Kinetic Modelling. **2021**, 37-52
- 64 MRI/PET Brain Imaging. **2021**, 119-163
- 63 Cerebral Glucose Metabolism. **2021**, 105-125 1
- 62 Brain tumors. **1991**, 154, 186-97 6
- 61 Positron emission tomography in patients with clinically diagnosed Alzheimer's disease. **1986**, 134, 597-607 15
- 60 Charting the conquest of senility. **1982**, 58, 362-81 2
- 59 Role of Kinetic Modeling in Biomedical Imaging. **2008**, 28, 57-63 3

58	Imaging astrocytosis with PET in Creutzfeldt-Jakob disease: case report with histopathological findings. 2012 , 5, 201-7	21
57	A comparison of image contrast with (64)Cu-labeled long circulating liposomes and (18)F-FDG in a murine model of mammary carcinoma. 2013 , 3, 32-43	23
56	Regional, kinetic [(18)F]FDG PET imaging of a unilateral Parkinsonian animal model. 2013 , 3, 129-41	9
55	PET radiopharmaceuticals for probing enzymes in the brain. 2013 , 3, 194-216	17
54	Dynamic PET with (18)F-Deoxyglucose (FDG) and quantitative assessment with a two-tissue compartment model reflect the activity of glucose transporters and hexokinases in patients with colorectal tumors. 2013 , 3, 417-24	8
53	Simplified [18F]FDG image-derived input function using the left ventricle, liver, and one venous blood sample. 2010 , 9, 76-86	12
52	The sweet spot: FDG and other 2-carbon glucose analogs for multi-modal metabolic imaging of tumor metabolism. 2015 , 5, 1-13	14
51	An anesthetic method compatible with (18)F-FDG-PET studies in mice. 2015 , 5, 270-7	2
50	Tau Biomarkers in Dementia: Positron Emission Tomography Radiopharmaceuticals in Tauopathy Assessment and Future Perspective. 2021 , 22,	0
49	[F] Sodium Fluoride PET Kinetic Parameters in Bone Imaging.. 2021 , 7, 843-854	0
48	First results on kinetic modelling and parametric imaging of dynamic F-FDG datasets from a long axial FOV PET scanner in oncological patients.. 2022 , 1	1
47	Source-to-Target Automatic Rotating Estimation (STARE) - A publicly-available, blood-free quantification approach for PET tracers with irreversible kinetics: Theoretical framework and validation for [F]FDG.. 2022 , 249, 118901	
46	InsightToolkit Kinetic Analysis (itk::ka) Library. 2016 ,	
45	PET-18F-FDG Pharmacokinetic Modeling without Blood Sampling in Arteries with Atherosclerosis. 2020 ,	
44	In Vivo C Magnetic Resonance Spectroscopy for Assessing Brain Biochemistry in Health and Disease.. 2022 , 47, 1183	0
43	An iterative image-based inter-frame motion compensation method for dynamic brain PET imaging.. 2022 ,	0
42	Clozapine induces astrocyte-dependent FDG-PET hypometabolism.. 2022 , 1	2
41	SIGNALING PATHWAYS THAT DRIVE F-FDG ACCUMULATION IN CANCER.. 2022 ,	0

40	Principles of Tracer Kinetic Analysis in Oncology, Part I: Principles and Overview of Methodology.. 2022 , 63, 342-352	1
39	Phantom Validation of a Conservation of Activity-Based Partial Volume Correction Method for Arterial Input Function in Dynamic PET Imaging.. 2022 , 8, 842-857	
38	Associations between cerebrospinal fluid markers and cognition in aging and dementia: A systematic review.. 2022 ,	0
37	Hepatic Positron Emission Tomography: Applications in Metabolism, Haemodynamics and Cancer.. 2022 , 12,	
36	Absolute Quantification in Diagnostic SPECT/CT: The Phantom Premise.. 2021 , 11,	0
35	EANM procedure guidelines for brain PET imaging using [F]FDG, version 3. 2021 , 49, 632	5
34	Mitochondrial Generated Redox Stress Differently Affects the Endoplasmic Reticulum of Circulating Lymphocytes and Monocytes in Treatment-Naïve Hodgkin's Lymphoma.. 2022 , 11,	0
33	Table_1.xlsx. 2019 ,	
32	Data_Sheet_1.PDF. 2020 ,	
31	Références bibliographiques. 1997 , 255-290	
30	Assessment of Inflammation in Non-calcified Artery Plaques with Dynamic 18F-FDG-PET/CT: CT Alone, Does-It Detect the Vulnerable Plaque?. 2022 , 184-196	
29	Brain glucose metabolism in schizophrenia: a systematic review and meta-analysis of 18FDG-PET studies in schizophrenia. 1-18	1
28	Beyond monoamines: II . Novel applications for PET imaging in psychiatric disorders.	0
27	Kinetic Models for PET/SPECT Imaging. 2022 , 1753-1763	
26	Expert consensus on oncological [18F]FDG total-body PET/CT imaging (version 1).	1
25	Digitale Positronenemissionstomografie [Entwicklung, Detektortechnologie und Perspektiven. 2022 , 45, 217-226	
24	Celebrating Contributions of Imaging Technology to Fight against Cancer at the 50th NCA Anniversary. 2022 , 4,	
23	Functional neuroimaging in psychiatry and the case for failing better. 2022 , 110, 2524-2544	2

22	CLINICAL POSITRON EMISSION TOMOGRAPHY IMAGING. 1993 , 31, 935-959	1
21	Clinical validation of a population-based input function for 20-min dynamic whole-body 18F-FDG multiparametric PET imaging. 2022 , 9,	0
20	Dual-tracer positron emission tomography/computed tomography as an imaging probe of de novo lipogenesis in preclinical models of hepatocellular carcinoma. 9,	0
19	Changing Cerebral Blood Flow, Glucose Metabolism, and Dopamine Binding Through Transcranial Magnetic Stimulation: A Systematic Review of Transcranial Magnetic Stimulation-Positron Emission Tomography Literature. 2022 , 74, 918-932	0
18	Dynamic FDG-PET demonstration of functional brain abnormalities. 2022 , 9, 1487-1497	0
17	Cerebral Glucose Metabolism in Patients with Chronic Disorders of Consciousness. 1-25	0
16	Simulation of a novel, non-invasive radiation detector to measure the arterial input function for dynamic PET.	0
15	Lower brain glucose metabolism in normal ageing is predominantly frontal and temporal: A systematic review and pooled effect size and activation likelihood estimates meta-analyses.	0
14	In vivo methods for imaging bloodBrain barrier function and dysfunction.	1
13	Input function and modeling for determining bone metabolic flux using [18 F] sodium fluoride PET imaging: A step-by-step guide.	0
12	Impact of glucose metabolism on the developing brain. 13,	0
11	Non-invasive kinetic modelling approaches for quantitative analysis of brain PET studies.	0
10	Methods to Verify Expression and Function of DREADDs Using PET. 2023 , 263-273	0
9	2-Deoxy-D-Glucose: A Novel Pharmacological Agent for Killing Hypoxic Tumor Cells, Oxygen Dependence-Lowering in Covid-19, and Other Pharmacological Activities. 2023 , 2023, 1-15	0
8	Working memory-based and -free reward prediction in a dual dopamine system in the basal ganglia.	0
7	Prediction of voluntary movements of the upper extremities by resting state-brain regional glucose metabolism in patients with chronic severe brain injury: A pilot study.	0
6	Brain FDG PET for visualizing the relation between impaired lung function and cognitive decline in lung cancer: a preliminary study. Publish Ahead of Print,	0
5	Stereotactic Magnetic Resonance-Guided Adaptive and Non-Adaptive Radiotherapy on Combination MR-Linear Accelerators: Current Practice and Future Directions. 2023 , 15, 2081	0

- 4 Molecular Imaging in Neurology. **2023**, 375-423
- 3 Pharmacokinetics and Modeling. **2023**, 291-302
- 2 Molecular Imaging in Cardiology. **2023**, 425-460
- 1 Volume-based 18F-fluorodeoxyglucose positron emission tomography/computed tomography parameters correlate with delayed neck metastasis in clinical early-stage oral squamous cell carcinoma.