## CITATION REPORT List of articles citing

The [14C]deoxyglucose method for the measurement of local cerebral glucose utilization: theory, procedure, and normal values in the conscious and anesthetized albino rat

DOI: 10.1111/j.1471-4159.1977.tb10649.x Journal of Neurochemistry, 1977, 28, 897-916.

Source: https://exaly.com/paper-pdf/13336491/citation-report.pdf

Version: 2024-04-11

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
2305	Positron Emission Tomography Scanning: Principles and Applications. <b>1989</b> , 105-153		
2304	Cerebral metabolic changes induced by an unconventional agent: experimental model for some human degenerative diseases of the central nervous system. <b>1984</b> , 11, 193-203		
2303	Suprachiasmatic nucleus: use of 14C-labeled deoxyglucose uptake as a functional marker. <b>1977</b> , 197, 1089-91		326
2302	Relation between physiological function and energy metabolism in the central nervous system. Journal of Neurochemistry, <b>1977</b> , 29, 13-26	6	705
2301	Effects of gamma-butyrolactone on local cerebral glucose utilization in the rat. <i>Journal of Neurochemistry</i> , <b>1977</b> , 29, 777-83	6	90
2300	Alpha- and beta-adrenoreceptor blockers have opposite effects on energy metabolism of the central auditory system. <b>1978</b> , 276, 521-3		34
2299	Functional properties of neuronal and glial isoenzymes of brain enolase. <i>Journal of Neurochemistry</i> , <b>1978</b> , 31, 727-32	6	104
2298	Alteration of tricarboxylic acid cycle metabolism in rat brain slices by halothane. <i>Journal of Neurochemistry</i> , <b>1978</b> , 30, 1421-30	6	28
2297	Effects of sodium thiopental on the tricarboxylic acid cycle metabolism in mouse brain: CO2 fixation and metabolic compartmentation. <i>Journal of Neurochemistry</i> , <b>1978</b> , 30, 1591-3	6	9
2296	Mouse brain deoxyglucose uptake after footshock, ACTH analogs, alpha-MSH, corticosterone or lysine vasopressin. <b>1978</b> , 9, 21-6		33
2295	Uptake of radiolabeled glucose analogues by organotypic cerebellar cultures. <b>1978</b> , 9, 111-9		3
2294	Autoradiographic maps of regional brain glucose consumption in resting, awake rats using (14C) 2-deoxyglucose. <b>1978</b> , 177, 335-59		91
2293	Anatomical demonstration of orientation columns in macaque monkey. <b>1978</b> , 177, 361-80		383
2292	Acute whisker removal reduces neuronal activity in barrels of mouse SmL cortex. <b>1978</b> , 178, 629-44		87
2291	Local cerebral glucose utilization in the normal conscious macaque monkey. <b>1978</b> , 4, 293-301		230
2290	Autroradiographic demonstration with 2-[(14)C]deoxyglucose of frequency selectivity in the auditory system of cats under conditions of functional activity. <b>1978</b> , 10, 43-8		72
2289	Loss of radioactive 2-deoxy-D-glucose-6-phosphate from brains of conscious rats: implications for quantitative autoradiographic determination of regional glucose utilization. <b>1978</b> , 3, 251-8		87

2288	6-Hydroxydopamine lesions of rat locus coeruleus alter brain glucose consumption, as measured by the 2-deoxy-D-[(14)C]glucose tracer technique. <b>1978</b> , 7, 141-50	22
2287	A role for the dopaminergic nigrostriatal bundle in the pathogenesis of altered brain glucose consumption after lateral hypothalamic lesions. Evidence using the 14C-labeled deoxyglucose technique. <b>1978</b> , 158, 129-47	44
2286	Apomorphine increases glucose utilization in the substantia nigra, subthalamic nucleus and corpus striatum of rat. <b>1978</b> , 140, 188-93	84
2285	A sequential double-label 2-deoxyglucose method for measuring regional cerebral metabolism. <b>1978</b> , 153, 375-81	23
2284	Local cerebral glucose utilization following injection of beta-endorphin into periaqueductal gray matter in the rat. <b>1978</b> , 153, 403-7	26
2283	Use of cortical circuits during focal penicillin seizures: an autoradiographic study with [14C]deoxyglucose. <b>1978</b> , 150, 487-501	119
2282	Regional brain metabolism changes induced by acetylcholinesterase inhibitors. <b>1978</b> , 157, 186-90	33
2281	Mapping cerebral functional activity with radioactive deoxyglucose. <b>1978</b> , 1, 75-79	15
2280	d-glucose-fuel for the brain. <b>1978</b> , 1, 120-122	6
2279	Mapping cerebral functional activity with radioactive deoxyglucose. <b>1978</b> , 1, 75-79	28
2278	Activity-related regional uptake of [14C]deoxyglucose by rat quadriceps femoris muscle. 1978, 60, 168-74	5
2277	Functional plasticity in the immature striate cortex of the monkey shown by the [14C]deoxyglucose method. <b>1978</b> , 200, 447-9	72
2276	Measurement of regional substrate utilization rates by emission tomography. <b>1978</b> , 199, 986-7	64
2275	The quest for an image of brain: a brief historical and technical review of brain imaging techniques. <b>1978</b> , 28, 517-33	35
2274	Dose dependent reduction of glucose utilization by pentobarbital in rat brain. <b>1978</b> , 9, 12-8	152
2273	Neurochemistry of appetite mechanisms. <b>1978</b> , 37, 181-91	38
2272	Transport of glucose from blood to brain. <b>1979</b> , 59, 305-52	429
2271	Positron Tomography. <b>1979</b> , 26, 1632-1634	

2270	Cerebral glucose utilization: local changes during and after recovery from spreading cortical depression. <b>1979</b> , 203, 188-90	213
2269	A direct role of dopamine in the rat subthalamic nucleus and an adjacent intrapeduncular area. <b>1979</b> , 206, 1416-8	79
2268	2-Deoxy-D-glucose maps movement-specific nervous activity in the second visual ganglion of Drosophila. <b>1979</b> , 205, 687-8	47
2267	Local cerebral glucose metabolism during controlled hypoxemia in rats. <b>1979</b> , 204, 626-9	84
2266	Metabolic mapping of functional activity in the hypothalamo-neurohypophysial system of the rat. <b>1979</b> , 205, 723-5	404
2265	Relative cerebral glucose metabolism evoked by dental-pulp stimulation in the rat. <b>1979</b> , 51, 12-7	10
2264	Mapping of local cerebral functional activity by measurement of local cerebral glucose utilization with [14C]deoxyglucose. <b>1979</b> , 102, 653-68	74
2263	The [18F]fluorodeoxyglucose method for the measurement of local cerebral glucose utilization in man. <b>1979</b> , 44, 127-37	1025
2262	Osmotic opening of the blood-brain barrier and local cerebral glucose utilization. <b>1979</b> , 5, 211-9	101
2261	Tomographic measurement of local cerebral glucose metabolic rate in humans with (F-18)2-fluoro-2-deoxy-D-glucose: validation of method. <b>1979</b> , 6, 371-88	2056
2260	Rapid synthesis of 2-deoxy-D (1-14C) glucose suitable for labelling with 11C. <b>1979</b> , 16, 661-668	8
2259	14C-deoxyglucose mapping of orientation subunits in the cats visual cortical areas. <b>1979</b> , 37, 609-13	49
2258	Anomeric preferences of D-glucose uptake and utilization by cerebral cortex slices of rats. <b>1979</b> , 4, 505-16	8
2257	Differential labelling of retinal neurones by 3H-2-deoxyglucose. <b>1979</b> , 280, 682-4	92
2256	Specific distribution of metabolic alterations in cerebral cortex following apomorphine administration. <b>1979</b> , 282, 303-5	48
2255	Localisation of phencyclidine-induced changes in brain energy metabolism. <b>1979</b> , 282, 625-6	72
2254	The uptake of [3H]2-deoxy glucose by light- and dark-adapted rat retinas in vivo. <i>Journal of Neurochemistry</i> , <b>1979</b> , 32, 1881-3	20
2253	Effects of d- and l-amphetamine on local cerebral glucose utilization in the conscious rat. <i>Journal of Neurochemistry</i> , <b>1979</b> , 32, 15-22	168

2252	CHAPTER IX: EPILEPSY: HEADACHE: DEMENTIA. <b>1979</b> , 60, 533-577	1
2251	CHAPTER XI: SPECIAL LECTURE. <b>1979</b> , 60, 639-649	20
2250	A metabolic basis for the selective vulnerability of neurons in status epilepticus. <b>1979</b> , 106, 377-8	43
2249	Cerebral blood flow after treatment with ORG-2766, a potent analog of ACTH 49. <b>1979</b> , 10, 883-7	11
2248	Local cerebral metabolism during enflurane anesthesia: identification of epileptogenic foci. <b>1979</b> , 47, 153-62	24
2247	Yohimbine blocks lateral hypothalamus-mediated behaviors. <b>1979</b> , 60, 143-51	5
2246	Dendritic bundles: survey of anatomical experiments and physiological theories. <b>1979</b> , 180, 225-71	135
2245	Quantitative in vivo autoradiography with positron emission tomography. <b>1979</b> , 180, 47-68	92
2244	Ketone bodies are selectively used by individual brain regions. <b>1979</b> , 205, 325-7	168
2243	Memory disorder in Korsakoff's psychosis: a neuropathological and neuropsychological investigation of two cases. <b>1979</b> , 102, 749-83	394
2242	The Medical Applications of Short-Lived, Cyclotron-Produced Radionuclides. <b>1979</b> , 26, 2219-2223	О
2241	Olivo-cerebellar activity during harmaline-induced tremor.A 2-[14C]deoxyglucose study. <b>1979</b> , 12, 241-6	18
2240	Multiple and interrelated functional asymmetries in rat brain. <b>1979</b> , 25, 395-400	170
2239	Visual stimulation increases regional cerebral blood flow and metabolism in the goldfish. <b>1979</b> , 161, 55-61	9
2238	Metabolic mapping of chick brain after imprinting using [14C]2-deoxyglucose technique. <b>1979</b> , 172, 539-44	77
2237	The effect of scopolamine on local glucose metabolism in rat brain. <b>1979</b> , 177, 337-45	41
2236	Regional changes in 2-deoxyglucose uptake after neocortical and hippocampal destruction. <b>1979</b> , 175, 392-7	44
2235	The locus coeruleus, catecholamines, and REM sleep: a critical review. <b>1979</b> , 25, 415-48	70

2234	Hippocampal afterdischarges: differential spread of activity shown by the [14C]deoxyglucose technique. <b>1979</b> , 204, 641-3	46
2233	Measurement of regional brain glucose utilization in vivo using [2(-14)C] glucose. <b>1979</b> , 10, 690-703	96
2232	Local cerebral blood flow in the conscious rat as measured with 14C-antipyrine, 14C-iodoantipyrine and 3H-nicotine. <b>1979</b> , 10, 62-7	110
2231	Influence of various agents on the development of brain edema in the rat following microembolism. Protective effect of gamma-butyrolactone. <b>1979</b> , 10, 653-6	17
2230	COMMUNICATIONS. <b>1980</b> , 303, 63-85	11
2229	Deleterious effect of glucose pretreatment on recovery from diffuse cerebral ischemia in the cat. I. Local cerebral blood flow and glucose utilization. <b>1980</b> , 11, 347-54	283
2228	Development of circadian rhythmicity and light responsiveness in the rat suprachiasmatic nucleus: a study using the 2-deoxy[1-14C]glucose method. <b>1980</b> , 77, 1204-8	58
2227	A computer-assisted image-processing system for the analysis of autoradiographs of cerebral metabolic activity. <b>1980</b> , 4, 121-35	4
2226	Physiologic tomography: a new means for the non-invasive measurement of myocardial metabolism, blood flow and function. <b>1980</b> , 5, 209-15	5
2225	Measurement of mouse brain glucose utilization in vivo using [U-14C]glucose. 1980, 5, 61-7	16
2225	Measurement of mouse brain glucose utilization in vivo using [U-14C]glucose. 1980, 5, 61-7  Intraventricular ACTH and vasopressin cause regionally specific changes in cerebral deoxyglucose uptake. 1980, 5, 485-95	16
	Intraventricular ACTH and vasopressin cause regionally specific changes in cerebral deoxyglucose	
2224	Intraventricular ACTH and vasopressin cause regionally specific changes in cerebral deoxyglucose uptake. <b>1980</b> , 5, 485-95  In vivo metabolic activity of a putative circadian oscillator, the rat suprachiasmatic nucleus. <b>1980</b> ,	17
2224	Intraventricular ACTH and vasopressin cause regionally specific changes in cerebral deoxyglucose uptake. <b>1980</b> , 5, 485-95  In vivo metabolic activity of a putative circadian oscillator, the rat suprachiasmatic nucleus. <b>1980</b> , 189, 157-67  Prefrontal system in the rat visualized by means of labeled deoxyglucosefurther evidence for	17
2224	Intraventricular ACTH and vasopressin cause regionally specific changes in cerebral deoxyglucose uptake. 1980, 5, 485-95  In vivo metabolic activity of a putative circadian oscillator, the rat suprachiasmatic nucleus. 1980, 189, 157-67  Prefrontal system in the rat visualized by means of labeled deoxyglucosefurther evidence for functional heterogeneity of the neostriatum. 1980, 190, 1-13  Pattern of myelination and distribution of neuroglial cells along the developing optic system of the	17 219 71
2224 2223 2222 2221	Intraventricular ACTH and vasopressin cause regionally specific changes in cerebral deoxyglucose uptake. 1980, 5, 485-95  In vivo metabolic activity of a putative circadian oscillator, the rat suprachiasmatic nucleus. 1980, 189, 157-67  Prefrontal system in the rat visualized by means of labeled deoxyglucosefurther evidence for functional heterogeneity of the neostriatum. 1980, 190, 1-13  Pattern of myelination and distribution of neuroglial cells along the developing optic system of the rat and rabbit. 1980, 191, 237-53  Topographic organization of the orientation column system in the striate cortex of the tree shrew	17 219 71 88
2224 2223 2222 2221 2220	Intraventricular ACTH and vasopressin cause regionally specific changes in cerebral deoxyglucose uptake. 1980, 5, 485-95  In vivo metabolic activity of a putative circadian oscillator, the rat suprachiasmatic nucleus. 1980, 189, 157-67  Prefrontal system in the rat visualized by means of labeled deoxyglucosefurther evidence for functional heterogeneity of the neostriatum. 1980, 190, 1-13  Pattern of myelination and distribution of neuroglial cells along the developing optic system of the rat and rabbit. 1980, 191, 237-53  Topographic organization of the orientation column system in the striate cortex of the tree shrew (Tupaia glis). II. Deoxyglucose mapping. 1980, 192, 549-66	17 219 71 88 54

2216	Effects of manipulation of the sensorimotor system on focal motor seizures in the monkey. <b>1980</b> , 7, 222-9, 236-7		33
2215	Computerized densitometry and color coding of [14C] deoxyglucose autoradiographs. <b>1980</b> , 7, 359-70		346
2214	Effects of stroke on local cerebral metabolism and perfusion: mapping by emission computed tomography of 18FDG and 13NH3. <b>1980</b> , 8, 47-60		352
2213	Epileptic patterns of local cerebral metabolism and perfusion in humans determined by emission computed tomography of 18FDG and 13NH3. <b>1980</b> , 8, 348-60		371
2212	Correlation of intracellular redox states and pH with blood flow in primary and secondary seizure foci. <b>1980</b> , 8, 564-73		24
2211	Mapping stimulus-induced nervous activity in small brains by [3H]2-deoxy-D-glucose. <b>1980</b> , 211, 51-64		34
<b>22</b> 10	Localization of[3H]-2-deoxyglucose in single molluscan neurones. <b>1980</b> , 287, 449-51		54
2209	Activity-dependent energy metabolism in rat posterior pituitary primarily reflects sodium pump activity. <i>Journal of Neurochemistry</i> , <b>1980</b> , 34, 213-5	6	544
2208	Measurement of free glucose turnover in brain. <i>Journal of Neurochemistry</i> , <b>1980</b> , 35, 495-502	6	133
2207	Effect of thyrotropin-releasing hormone (TRH) on local cerebral glucose utilization, by the autoradiographic 2-deoxy[14C]glucose method, in conscious and pentobarbitalized rats. <i>Journal of Neurochemistry</i> , <b>1980</b> , 35, 963-71	6	40
2206	Pentobarbital anesthesia reduces blood-brain glucose transfer in the rat. <i>Journal of Neurochemistry</i> , <b>1980</b> , 35, 1382-7	6	121
2205	Cerebral cortical glucose utilization in the conscious rat: evidence for a circadian rhythm. <i>Journal of Neurochemistry</i> , <b>1980</b> , 34, 1700-6	6	31
2204	Synthesis and degradation of retinal proteins in darkness and during photic stimulation. <i>Journal of Neurochemistry</i> , <b>1980</b> , 35, 143-8	6	11
2203	Rapid simultaneous determination of regional blood flow and blood-brain glucose transfer in brain of rat. <b>1980</b> , 108, 321-30		172
2202	Relationship between local changes in cortical blood flow and extracellular K+ during spreading depression. <b>1980</b> , 109, 1-6		147
2201	Local cerebral glucose consumption in the artificially ventilated rat: influence of nitrous oxide analgesia and of phenobarbital anesthesia. <b>1980</b> , 109, 177-85		53
2200	Local cerebral glucose consumption during insulin-induced hypoglycemia, and in the recovery period following glucose administration. <b>1980</b> , 110, 149-59		67
2199	Post-ischemic coma in rat: effect of different pre-ischemic blood glucose levels on cerebral metabolic recovery after ischemia. <b>1980</b> , 110, 225-32		81

2198 Recent advances in the diagnosis of cerebrovascular disease. **1980**, 78, 49-59

2197	Regional cerebral glucose utilization measured with the 2[ 14C] deoxyglucose technique: its use in mapping functional activity in the nervous system. <b>1980</b> , 78, 128-46	4
2196	Noninvasive determination of local cerebral metabolic rate of glucose in man. 1980, 238, E69-82	185
2195	Evidence for a second hippocampal efferent pathway to hypothalamus and basal forebrain comparable to fornix system: a unit study in the awake monkey. <b>1980</b> , 44, 514-31	48
2194	Seeing. <b>1980</b> , 399-460	
2193	Cerebral regional oxygen consumption and supply in anesthetized cat. <b>1980</b> , 209, 499-501	27
2192	Metabolic mapping of neural pathways involved in gastrosecretory response to insulin hypoglycaemia in the rat. <b>1980</b> , 300, 393-407	22
2191	Retina-dependent activation by apomorphine of metabolic activity in the superficial layer of the superior colliculus. <b>1980</b> , 207, 313-5	40
2190	Spatial vision. <b>1980</b> , 31, 309-41	215
2189	Effects of ageing on local rates of cerebral glucose utilization in the rat. <b>1980</b> , 103, 351-65	149
2188	Entry of opioid peptides into the central nervous system. <b>1980</b> , 207, 84-6	238
2187	Spinal cord energy metabolism in normal and postlaminectomy cats. <b>1980</b> , 52, 387-91	49
2186	The role of biochemistry in drug research. <b>1980</b> , 6, 488-99	
2185	Patterns of activity in pigeon brain's visual relays as revealed by the [14C]2-deoxyglucose method. 1980, 5, 1053-66	33
2184	Alterations in activity at auditory nuclei of the rat induced by exposure to microwave radiation: autoradiographic evidence using [14C]2-deoxy-D-glucose. <b>1980</b> , 187, 291-306	20
2183	Plasticity of [14C]2-deoxy-D-glucose incorporation into neostriatum and related structures in response to dopamine neuron damage and apomorphine replacement. <b>1980</b> , 197, 167-83	91
2182	Spatial distribution of [14C]2-deoxyglucose uptake in the olfactory bulbs of rats stimulated with two different odours. <b>1980</b> , 188, 139-54	215
2181	The effect of unilateral basilar papilla removal upon nuclei laminaris and magnocellularis of the chick examined with [3H]2-deoxy-D-glucose autoradiography. <b>1980</b> , 196, 43-58	81

2180	Regional brain glucose utilization following intrastriatal injections of kainic acid. 1980, 201, 173-84	55
2179	Intraperitoneal administration and other modifications of the 2-deoxy-D-glucose technique. <b>1980</b> , 195, 167-76	86
2178	Effects of substantia nigra lesions on forebrain 2-deoxyglucose retention in the rat. <b>1980</b> , 185, 335-48	34
2177	Changes in local cerebral blood flow and neuronal activity during sensory stimulation in normal and sympathectomized cats. <b>1980</b> , 190, 51-64	32
2176	Columnar pattern in the cat's visual cortex after optokinetic stimulation. <b>1980</b> , 182, 446-50	12
2175	Influence of dopaminergic systems on the lateral habenular nucleus of the rat. <b>1980</b> , 194, 117-24	83
2174	Regional changes in brain glucose utilization in rats given a pyrethroid insecticide. <b>1980</b> , 194, 278-82	43
2173	Cerebral metabolic response to systemic kainic acid: 14-C-deoxyglucose studies. <b>1980</b> , 27, 855-62	72
2172	Regulation of microcirculation in the brain. <b>1980</b> , 19, 158-70	19
2171	Regional myocardial blood flow, metabolism and function assessed noninvasively with positron emission tomography. <b>1980</b> , 46, 1269-77	58
2170	Glucose uptake by normal and dystrophic rat retinas and ciliary bodies. <b>1980</b> , 30, 709-18	6
2169	Increased local uptake of 2-deoxyglucose after electrochemical or direct deposition of iron into the rat brain. <b>1980</b> , 70, 427-37	4
2168	2-deoxy[14C]glucose uptake in the rat hypoglossal nucleus after nerve transection. <b>1980</b> , 69, 617-26	37
2167	Emission tomography of the heart. <b>1980</b> , 10, 355-73	42
2166	Transverse section imaging of soft tissue tumors and peripheral vascular disease. <b>1980</b> , 10, 392-9	8
2165	Hypotensive and sedative properties of alpha-adrenoceptor agonists: relation to pre- and post-synaptic stimulation [proceedings]. <b>1980</b> , 68, 107P-108P	3
2164	Increased hunger and thirst during glucoprivation in humans. <b>1980</b> , 25, 397-403	34
2163	Functional brain transplants. <b>1980</b> , 1, 101-110	16

2162	The role of GABA in the ventromedial hypothalamic regulation of food intake. <b>1980</b> , 5, 453-460	53
2161	Spatial frequency columns in primary visual cortex. <b>1981</b> , 214, 813-5	154
2160	Neurotoxins as tools in neurobiology. <b>1981</b> , 22, 173-204	29
2159	Mapping of functional activity in brain with 18F-fluoro-deoxyglucose. <b>1981</b> , 11, 24-31	48
2158	Positron computed tomography studies of cerebral glucose metabolism in man: theory and application in nuclear medicine. <b>1981</b> , 11, 32-49	86
2157	Increases and decreases in local cerebral glucose utilization in response to GABA agonists. <b>1981</b> , 71, 333-6	10
2156	Quantitative autoradiography of neurotransmitter receptors using tritium-sensitive film. <b>1981</b> , 72, 421-2	29
2155	Functional neuroanatomy of the auditory cortex studied with [2-14C] Deoxyglucose. 1981, 71, 104-21	35
2154	Increased subcortical and laminar cortical 2-deoxy[14C]glucose uptake during cerebellar stimulation. <b>1981</b> , 74, 499-518	9
2153	Altered cerebral glucose utilization following blood-brain barrier opening by hypertonicity or hypertension. <b>1981</b> , 74, 519-29	16
2152	Effects of methamphetamine on blood flow in the caudate-putamen after lesions of the nigrostriatal dopaminergic bundle in the rat. <b>1981</b> , 211, 211-6	21
2151	Heterogeneous depression of glucose utilization in the caudate nucleus by GABA agonists. <b>1981</b> , 209, 458-63	12
2150	A radioisotopic method for the simultaneous quantitation of regional cerebral blood flow and glucose utilization in small dissected samples: validation studies and values in the nitrous oxide-anesthetized rat. <b>1981</b> , 230, 165-79	16
2149	The effects of chloral hydrate anesthesia on the metabolic response in the substantia nigra to apomorphine. <b>1981</b> , 214, 223-8	30
2148	Stimulus-dependent labeling of cultured ganglionic cell with [14C]2-deoxyglucose. <b>1981</b> , 212, 435-46	12
2147	[3H]-2-deoxyglucose autoradiography in a molluscan nervous system. <b>1981</b> , 208, 416-20	44
2146	The ontogeny of hippocampal energy metabolism. <b>1981</b> , 204, 431-5	29
2145	Local cerebral blood flow after microwave exposure. <b>1981</b> , 204, 220-5	37

## (1981-1981)

2144	A method for the simultaneous estimation of regional rates of glucose influx and phosphorylation in rat brain using radiolabeled 2-deoxyglucose. <b>1981</b> , 221, 319-30	56
2143	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. <b>1981</b> , 221, 331-42	63
2142	Quantitative measurement of local cerebral metabolic rate for glucose utilizing tritiated 2-deoxyglucose. <b>1981</b> , 223, 59-67	97
2141	Identification of avian brain regions responsive to retinal slip using 2-deoxyglucose. <b>1981</b> , 210, 455-60	56
2140	Anesthetics and the habenulo-interpeduncular system: selective sparing of metabolic activity. <b>1981</b> , 210, 461-6	57
2139	The relationship of glucose utilization and morphological change in the visual system in hexacarbon neuropathy. <b>1981</b> , 222, 447-51	10
2138	Effect of oxotremorine on local cerebral glucose utilization in motor system regions of the rat brain. <b>1981</b> , 226, 281-9	38
2137	Layer-specific labelling of cat visual cortex after stimulation with visual noise: a [3H]2-deoxy-d-glucose study. <b>1981</b> , 224, 31-43	27
2136	Regional changes in cerebral glucose utilization associated with amygdaloid kindling and electroshock in the rat. <b>1981</b> , 224, 204-8	31
2135	Kainic acid induced limbic seizures: metabolic, behavioral, electroencephalographic and neuropathological correlates. <b>1981</b> , 218, 299-318	632
2134	The effect of the potent opiate agonist etorphine on local energy metabolism in the isolated perfused rat brain. <b>1981</b> , 20, 901-4	6
2133	Cortical organization of voluntary motor activity as revealed by measurement of regional cerebral blood flow. <b>1981</b> , 52, 149-61	10
2132	Metabolism of [14C]fluorodeoxyglucose by rat brain in vivo. <b>1981</b> , 28, 2071-6	28
2131	Ontogenesis of the functional activity of rat olfactory bulb: autoradiographic study with the 2-deoxyglucose method. <b>1981</b> , 254, 243-56	57
2130	Retrograde axonal transport mediates the onset of regenerative changes in the hypoglossal nucleus. <b>1981</b> , 25, 7-11	23
2129	Effects of ACTH and related peptides on cerebral RNA and protein synthesis. <b>1981</b> , 12, 353-72	32
2128	The 2-deoxyglucose neuroanatomical mapping technique. <b>1981</b> , 4, 144-148	9
2127	Lateralization of function in the rat brain. <b>1981</b> , 4, 196-199	73

2126	Co-ordination between posture and movement. <b>1981</b> , 4, 199-202	101
2125	D-glucose infusions into the basal ventromedial hypothalamus and feeding. <b>1981</b> , 3, 381-92	37
2124	Glucose metabolism increases in visual pathways following habituation. <b>1981</b> , 27, 825-34	10
2123	Gastrointestinal and metabolic consequences of a rat's meal on maintenance diet ad libitum. <b>1981</b> , 27, 929-39	25
2122	Special characteristics and potential for radiopharmaceuticals for positron emission tomography. <b>1981</b> , 11, 2-12	38
2121	Effects of 1-methyl cyclohexane carboxylic acid (CCA) on cellular energetics in neuroblastoma cells. <b>1981</b> , 103, 1044-51	4
2120	Functional metabolic mapping of a conditioned motor task in primates utilizing 2-[14C]deoxyglucose. <b>1981</b> , 72, 153-63	26
2119	PROCEEDINGS OF THE British Pharmacological Society. <b>1981</b> , 74, 757P-987P	1
2118	Electrographic, clinical and pathological alterations following systemic administration of kainic acid, bicuculline or pentetrazole: metabolic mapping using the deoxyglucose method with special reference to the pathology of epilepsy. <b>1981</b> , 6, 1361-91	581
2117	Depression of cerebral glucose utilization during animal hypnosis in the rabbit. <b>1981</b> , 21, 345-9	10
2116	Radioactive 2-deoxy-D-glucose incorporation into the prefrontal and premotor cortex of the monkey performing a forelimb movement. <b>1981</b> , 26, 37-41	17
2115	Brain functional activity during PAG stimulation-produced analgesia: a 2-DG study. <b>1981</b> , 6, 487-94	21
2114	REGIONAL REGULATION OF CEREBRAL HEMODYNAMICS AND METABOLISM. 1981, 127-136	
2113	Cerebral oxygen consumption and glucose consumption during status epilepticus. <b>1981</b> , 20, 219-20	4
2112	Simultaneous measurement of blood flow and glucose metabolism by autoradiographic techniques. <b>1981</b> , 12, 581-8	77
2111	Sexually dimorphic brain and behavioral asymmetries in the neonatal rat. <b>1981</b> , 78, 1958-61	63
2110	Use of 123I and 14C in a double radionuclide autoradiographic technique for simultaneous measurement of LCBF and LCMRgl. Theory and method. <b>1981</b> , 12, 589-97	62
2109	Vaginocervical stimulation selectively increases metabolic activity in the rat brain. <b>1981</b> , 211, 1070-2	69

2108	COMMUNICATIONS. <b>1981</b> , 313, 10-66	1
2107	Regional cerebral blood flow during development and ageing of the rat brain. <b>1981</b> , 104, 319-32	57
2106	A portrait of the substrate for self-stimulation <b>1981</b> , 88, 228-273	288
2105	Cerebral blood flow: physiology, pathophysiology and pharmacological effects. <b>1981</b> , 27, 26-39	9
2104	Application of the 2-deoxy-D-[14C]-glucose method to the mouse for measuring local cerebral glucose utilization. <b>1981</b> , 20, 169-72	8
2103	Brain intermediary metabolism in vivo: changes with carbon dioxide, development, and seizures. <b>1981</b> , 22, 47-82	10
2102	The deoxyglucose method for the measurement of local glucose utilization and the mapping of local functional activity in the central nervous system. <b>1981</b> , 22, 287-333	50
2101	Changes in protein synthesis underlying functional plasticity in immature monkey visual system. <b>1981</b> , 78, 3950-3	28
2100	Regional neurone damage after cerebral ischaemia in the normo- and hypoglycaemic rat. <b>1981</b> , 7, 217-27	82
2099	Local cerebral glucose utilization in thermally traumatized rat brain. <b>1981</b> , 9, 484-91	106
2098	Rearranged equation for determining local cerebral glucose utilization. <b>1981</b> , 10, 65	
2097	FDG positron emission computed tomography in a study of aphasia. <b>1981</b> , 10, 173-83	155
2096	Nuclear medicine in clinical neurology: an update. <b>1981</b> , 10, 207-13	14
2095	The neural pathways mediating quiet-biting attack behavior from the hypothalamus in the cat: A functional autoradiographic study. <b>1981</b> , 7, 51-67	56
2095	functional autoradiographic study. <b>1981</b> , 7, 51-67	56 34
	functional autoradiographic study. <b>1981</b> , 7, 51-67  3-[11C]-methyl-D-glucose, a potential agent for regional cerebral glucose utilization studies:	
2094	functional autoradiographic study. <b>1981</b> , 7, 51-67  3-[11C]-methyl-D-glucose, a potential agent for regional cerebral glucose utilization studies: Synthesis, chromatography and tissue distribution in mice. <b>1981</b> , 18, 855-863  Flow of glucose carbon into cholesterol and phospholipids in various regions of the adult rat brain:	34
2094 2093	functional autoradiographic study. 1981, 7, 51-67  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  Flow of glucose carbon into cholesterol and phospholipids in various regions of the adult rat brain: enhanced incorporation into hypothalamic phospholipids. 1981, 6, 585-95  Aspects of the production of 18F-2-deoxy-2-fluoro-d-glucose via 18F2 with a Tandem Van de Graaf	34

2090	Ascending auditory afferents to the nuclei of the lateral lemniscus. <b>1981</b> , 197, 673-703	230
2089	Metabolic response to optic centers to visual stimuli in the albino rat: anatomical and physiological considerations. <b>1981</b> , 199, 443-64	107
2088	The structure, distribution, and quantitative relationships of the glia in the abdominal ganglia of the horse leech, Haemopis sanguisuga. <b>1981</b> , 202, 193-210	23
2087	Regional myocardial glucose utilization assessed by (14C) deoxyglucose. <b>1981</b> , 76, 394-8	12
2086	Transmural gradients in myocardial metabolic rate. <b>1981</b> , 76, 399-403	9
2085	High resolution analysis of [3H]2-deoxyglucose incorporation into neurons and glial cells in invertebrate ganglia: histological processing of nervous tissue for selective marking of glycogen. 1981, 10, 693-708	38
2084	Harmaline-induced tremor. I. Regional metabolic activity as revealed by [14C]2-deoxyglucose in cat. <b>1981</b> , 42, 371-82	45
2083	Topographic organization of orientation columns in the cat visual cortex. A deoxyglucose study. <b>1981</b> , 44, 431-6	72
2082	Restriction of visual experience to a single orientation affects the organization of orientation columns in cat visual cortex. A study with deoxyglucose. <b>1981</b> , 41, 199-215	52
2081	Cerebral circulation and histamine: 1. Participation of vascular H1- and H2-receptors in vasodilatory responses to carotid arterial infusion. <b>1981</b> , 1, 97-108	37
2080	Derivation of equations for the steady-state reaction velocity of a substance based on the use of a second substance. <b>1981</b> , 1, 129-31	26
2079	Alterations in local cerebral glucose utilisation in specific thalamic nuclei following apomorphine. <b>1981</b> , 1, 133-6	9
2078	Effects of naftidrofuryl on local cerebral glucose utilization in the rat. <b>1981</b> , 1, 137-40	1
2077	Influence of nitrous oxide on local cerebral blood flow in awake, minimally restrained rats. <b>1981</b> , 1, 211-8	48
2076	Hypoglycemic brain injury: phospholipids, free fatty acids, and cyclic nucleotides in the cerebellum of the rat after 30 and 60 minutes of severe insulin-induced hypoglycemia. <b>1981</b> , 1, 267-75	37
2075	Localization of functional activity in the central nervous system by measurement of glucose utilization with radioactive deoxyglucose. <b>1981</b> , 1, 7-36	493
2074	Role of prostaglandins and arachidonic acid derivatives in the coupling of cerebral blood flow to cerebral metabolism. <b>1981</b> , 1, 361-84	155
2073	Error sensitivity of fluorodeoxyglucose method for measurement of cerebral metabolic rate of glucose. <b>1981</b> , 1, 391-401	85

2072 Effect of ischemia on quantification of local cerebral glucose metabolic rate in man. <b>1981</b> , 1, 37-51		141
Focal cerebral ischaemia in the rat: 2. Regional cerebral blood flow determined by [14C]iodoantipyrine autoradiography following middle cerebral artery occlusion. <b>1981</b> , 1, 61-9		293
2070 Effects of sleep and arousal on the processing of visual information in the cat. <b>1981</b> , 291, 554-61		486
2069 Problems of organization. <b>1981</b> , 293, 533-533		
2068 Physiological evidence that the 2-deoxyglucose method reveals orientation columns in cat visual cortex. <b>1981</b> , 293, 574-6		73
Reduction in brain glucose utilization rate after tryptophol (3-indole ethanol) treatment. <i>Journal of Neurochemistry</i> , <b>1981</b> , 36, 1758-65	6	12
High- and low-affinity transport of D-glucose from blood to brain. <i>Journal of Neurochemistry</i> , <b>1981</b> , 36, 1463-71	6	287
The interaction of transport and metabolism on brain glucose utilization: a reevaluation of the lumped constant. <i>Journal of Neurochemistry</i> , <b>1981</b> , 36, 1601-4	6	93
A bioluminescence method for the demonstration of regional glucose distribution in brain slices.  Journal of Neurochemistry, <b>1981</b> , 36, 513-7	6	98
Effects of a single therapeutic dose of glycerol on cerebral metabolism in the brains of young mice:  2063 possible increase in brain glucose transport and glucose utilization. <i>Journal of Neurochemistry</i> , <b>1981</b> , 36, 830-8	6	14
Brain carbohydrate metabolism in developing rats during hypercapnia. <i>Journal of Neurochemistry</i> , <b>1981</b> , 36, 1202-10	6	28
Specificity of muscarinic acetylcholine receptor regulation by receptor activity. <i>Journal of Neurochemistry</i> , <b>1981</b> , 37, 1099-108	6	27
2-Deoxyglucose incorporation in the cerebellum of weaver and nervous mutant mice. <i>Journal of Neurochemistry</i> , <b>1981</b> , 37, 186-91	6	4
Local cerebral glucose utilization during development and aging of the Fischer-344 rat. <i>Journal of Neurochemistry</i> , <b>1981</b> , 37, 217-21	6	105
2058 The local regulation of cerebral blood flow. <b>1981</b> , 24, 243-60		81
2057 The effect of noise on deoxyglucose uptake into inner ear tissues of the mouse. <b>1981</b> , 230, 171-6		10
Cerebral neuronal activity in spontaneously hypertensive rats as demonstrated by the 14C-deoxyglucose method. <b>1981</b> , 316, 331-9		12
2055 [The auditory pathway in guinea pigs. A [14C]2-deoxyglucose study (author's transl)]. <b>1981</b> , 230, 27-36		1

2054	Metabolic mapping of the brain's response to visual stimulation: studies in humans. <b>1981</b> , 211, 1445-8	223
2053	Sugar transport in giant axons of Loligo. <b>1981</b> , 316, 481-502	14
2052	Glucose transfer from male to female schistosomes. <b>1981</b> , 213, 1269-71	36
2051	Quantitative autoradiography of [3H]muscimol binding in rat brain. <b>1981</b> , 214, 1036-8	119
2050	2-Deoxyglucose analysis of odorant-related activity in the salamander olfactory epithelium. <b>1981</b> , 6, 259-265	6
2049	Effect of mechanical work load on the transmural distribution of glucose uptake in the isolated perfused rat heart, studied by regional deoxyglucose trapping. <b>1981</b> , 49, 62-9	34
2048	Plastic Changes in the Inferior Colliculus Following Cochlear Destruction. <b>1981</b> , 377-380	2
2047	The effect of blood transfusion, dopamine, and gamma hydroxybutyrate on posttraumatic ischemia of the spinal cord. <b>1982</b> , 56, 350-8	38
2046	Alterations in local cerebral glucose utilization during hemorrhagic hypotension in the rat. <b>1982</b> , 50, 633-44	33
2045	Differential regional vulnerability in transient focal cerebral ischemia. <b>1982</b> , 13, 339-46	203
2044	Positron tomography and nuclear magnetic resonance imaging. <b>1982</b> , 215, 619-26	81
2043	Mapping Functional Alterations in the CNS With [14C]Deoxyglucose. 1982, 321-410	47
2042	Optokinetic visual detection in the rat visual centres. A [14C]-2-deoxy-D-glucose study. <b>1982</b> , 90, 141-4	5
2041	Patterns of human local cerebral glucose metabolism during epileptic seizures. <b>1982</b> , 218, 64-6	223
2040	Quantitative autoradiographic mapping of herpes simplex virus encephalitis with a radiolabeled antiviral drug. <b>1982</b> , 217, 1151-3	88
2039	Mapping the primate visual system with [2-14C]deoxyglucose. <b>1982</b> , 218, 394-7	114
2038	Effects of ethanol and temperature on glucose utilization in the in vivo and isolated perfused mouse brain. <b>1982</b> , 6, 110-6	8
2037	Deoxyglucose analysis of retinotopic organization in primate striate cortex. <b>1982</b> , 218, 902-4	437

New techniques in the study of local brain activity in animal and man. <b>1982</b> , 55, 331-47	2
Autoradiographic assessment of choroid plexus blood flow and glucose utilization in the unanesthetized rat. <b>1982</b> , 57, 543-7	6
Local cerebral glucose utilization in the beagle puppy model of intraventricular hemorrhage. <b>1982</b> , 57, 384-9	8
Mapping of odor-related neuronal activity in the olfactory bulb by high-resolution 2-deoxyglucose autoradiography. <b>1982</b> , 79, 670-4	178
2032 Regional cerebral glucose utilization during morphine withdrawal in the rat. <b>1982</b> , 79, 3360-4	39
Correlation of regional brain metabolism with receptor localization during ketamine anesthesia: combined autoradiographic 2-[3H]deoxy-D-glucose receptor binding technique. <b>1982</b> , 79, 3067-70	19
Structure of columns in monkey striate cortex induced by luminant-contrast and color-contrast stimulation. <b>1982</b> , 79, 6722-6	6
31P NMR studies of control of mitochondrial function in phosphofructokinase-deficient human skeletal muscle. <b>1982</b> , 79, 7714-8	127
2028 Reduction of regional cerebral blood flow during brain retraction pressure in the rat. <b>1982</b> , 56, 826-9	58
The significance of local cerebral glucose utilization determined by the autoradiographic [14 C] deoxyglucose method in experimentally induced coma. <b>1982</b> , 22, 11-8	
Cerebral glucography with positron tomography. Use in normal subjects and in patients with schizophrenia. <b>1982</b> , 39, 251-9	425
Regional brain uptake of 2-deoxy-D-glucose following training in a discriminated y-maze avoidance task. <b>1982</b> , 96, 721-4	19
Inhibition of axoplasmic transport in the developing visual system of the rat-L Structural changes in the retina and optic nerve with graded doses of intraocular colchicine. <b>1982</b> , 7, 365-84	14
2023 Computerized tomography, atrophy and dementia: a review. <b>1982</b> , 19, 91-115	34
2022 Autoradiographic patterns of hippocampal metabolism during induced hypothermia. <b>1982</b> , 34, 233-9	
2021 Incorporation of [3H]2-deoxyglucose into glycogen in nervous tissues. <b>1982</b> , 7, 759-67	35
2020 Radioactive deoxyglucose uptake into forelimb muscles in task performing monkeys. <b>1982</b> , 30, 123-6	1
Functional neuroanatomical mapping in insects by [3H] 2-deoxy-D-glucose at electron microscopical resolution. <b>1982</b> , 28, 235-40	15

2018	Radioautographic analysis of [14C]2-deoxyglucose uptake in hippocampal formation of the rat during physostigmine-induced theta. <b>1982</b> , 28, 229-34	12
2017	Local cerebral glucose utilization during waking and slow wave sleep in the cat. A [14C]deoxyglucose study. <b>1982</b> , 32, 91-7	12
2016	Multiple unit activity recorded longitudinally in rats from pubescence to old age. <b>1982</b> , 3, 43-53	5
2015	Glucose utilization in sympathetic ganglia of male Fischer-344 rats at different ages. <b>1982</b> , 5, 391-8	14
2014	Sexually dimorphic cerebral asymmetries in 2-deoxy-D-glucose uptake during postnatal development of the rat: correlations with age and relative brain activity. <b>1982</b> , 255, 341-7	27
2013	Bilateral [14C]2-deoxyglucose uptake by motor pathways after unilateral neonatal cortex lesions in the rat. <b>1982</b> , 282, 1-11	13
2012	Deoxyglucose uptake in the rat thoracolumbar cord during activation of aortic baroreceptor afferent fibers. <b>1982</b> , 231, 240-5	12
2011	Metabolic mapping of the rat brain involved in thermoregulatory responses using the [14C]2-deoxyglucose technique. <b>1982</b> , 246, 137-40	20
2010	Mapping the auditory central nervous system of Xenopus laevis with 2-deoxyglucose autoradiography. <b>1982</b> , 249, 15-22	23
2009	Glucose utilization increases in choroid plexus during slow wave sleep. A [14C] deoxyglucose study in the cat. <b>1982</b> , 240, 359-63	11
2008	Hyperglycemic ischemia of rat brain: the effect of post-ischemic insulin on metabolic rate. <b>1982</b> , 243, 386-90	34
2007	Metabolic mapping of functional activity in the rat olfactory system after a bilateral transection of the lateral olfactory tract. <b>1982</b> , 245, 17-25	40
2006	Changes in the hippocampal slices energy metabolism following stimulation and long-term potentiation of Schaffer collaterals-pyramidal cell synapses tested with the 2-deoxyglucose technique. <b>1982</b> , 237, 449-57	16
2005	Ethanol-withdrawal syndrome associated with both general and localized increases in glucose uptake in rat brain. <b>1982</b> , 237, 517-22	24
2004	Th central noradrenergic system in the rat: metabolic mapping with alpha-adrenergic blocking agents. <b>1982</b> , 234, 65-79	50
2003	Specific alterations in local cerebral glucose utilization following striatal lesions. <b>1982</b> , 233, 157-72	64
2002	Influence of chloralose on brain regional glucose utilization. <b>1982</b> , 233, 173-80	59
2001	Localization of [3H]2-deoxyglucose at the cellular level using freeze-dried tissue and dry-looped emulsion. <b>1982</b> , 252, 177-80	27

2000	The distribution of alterations in energy metabolism in the rat brain produced by apomorphine. <b>1982</b> , 243, 67-80	106
1999	Distribution of effects of haloperidol on energy metabolism in the rat brain. <b>1982</b> , 243, 81-90	86
1998	Radioautographic analysis of [14C]2-deoxyglucose uptake in hippocampal formation of the rat during enforced locomotor activity-induced theta. <b>1982</b> , 243, 190-6	6
1997	Superior colliculus activation by retinal nicotinic ganglion cells: a 2-deoxyglucose study. <b>1982</b> , 243, 197-200	23
1996	Focal seizures disrupt protein synthesis in seizure pathways: an autoradiographic study using [1-14C]leucine. <b>1982</b> , 248, 109-19	20
1995	Influence of alpha-receptor blocking agents upon metabolic activity in nuclei involved in central control of blood pressure. <b>1982</b> , 233, 347-58	17
1994	Effect of naltrexone on regional brain oxygen consumption in the cat. <b>1982</b> , 233, 369-79	20
1993	Assessment of regional myocardial ischemia by positron-emission computed tomography. <b>1982</b> , 103, 588-97	61
1992	beta-Adrenergic receptor desensitization stimulates glucose uptake in C6 rat glioma cells. <b>1982</b> , 109, 753-61	3
1991	Auditory nerve-brain stem potentials in man and cat under hypoxic and hypercapnic conditions. <b>1982</b> , 53, 506-12	43
1990	Alteration of brain stem auditory evoked responses following cardio-respiratory arrest and resuscitation. <b>1982</b> , 54, 232-4	27
1989	Visual evoked potentials and positron emission tomographic mapping of regional cerebral blood flow and cerebral metabolism: can the neuronal potential generators be visualized?. <b>1982</b> , 54, 243-56	78
1988	Positron emission tomography in a case of experimental focal epilepsy in the baboon. <b>1982</b> , 54, 87-90	4
1987	Regional effect of mepyramine on cerebral glucose utilization in conscious rats. <b>1982</b> , 77, 347-50	
1986	Alterations in local cerebral glucose utilization during chronic treatment with an ACTH 4-9 analog. <b>1982</b> , 78, 151-8	17
1985	Changes in retinal morphology and glucose utilization in aging albino rats. <b>1982</b> , 34, 517-30	40
1984	L-DOPA produces regional changes in glucose utilization which form discrete anatomic patterns in motor nuclei and the hypothalamus of rats. <b>1982</b> , 78, 591-601	3
1983	Transfer across the human blood-brain barrier: evidence for capillary recruitment and for a paradox glucose permeability increase in hypocapnia. <b>1982</b> , 24, 364-76	35

Calculation of cerebral glucose phosphorylation from brain uptake of glucose analogs re-examination. <b>1982</b> , 257, 237-74	in vivo: a 358
1981 GABA produces excitement in the visual cortex. <b>1982</b> , 5, 101-102	3
1980 COMMUNICATIONS. <b>1982</b> , 76, 172P-243P	1
1979 POSTER COMMUNICATIONS. <b>1982</b> , 76, 244P-303P	
1978 COMMUNICATIONS. <b>1982</b> , 77, 304P-339P	3
CEREBRAL ACTING MAPS OF HYDRALAZINE, CLONIDINE, AND EMETHYLDOPA IN  1977 SPONTANEOUSLY HYPERTENSIVE RATS AS DEMONSTRATED BY THE 14C-DEOXY-D-G  METHOD. <b>1982</b> , 32, 855-865	SLUCOSE 1
1976 Local cerebral circulatory and metabolic effects of indomethacin. <b>1982</b> , 243, H416-23	12
Effects of opiates and osmotic stimuli on rat neurohypophyseal metabolic activity mor [3H]-2-deoxyglucose. <b>1982</b> , 35, 104-10	nitored with 10
1974 Effects of oxotremorine on local glucose utilization in the rat cerebral cortex. <b>1982</b> , 2,	1072-8 38
1973 Pathophysiology of Cervical Injuries. <b>1982</b> ,	5
Drug entry into and distribution within brain and cerebrospinal fluid: [14C]urea pharma 1972 <b>1982</b> , 242, R339-48	acokinetics. 8
1971 Recent developments in the diagnosis and therapy of epilepsy. <b>1982</b> , 97, 584-98	12
1970 Regional glucose metabolism in mouse brain following ACTH peptides and naloxone. 1	<b>1982</b> , 17, 37-41 9
Effects of reinforcement-blocking doses of pimozide on neural systems driven by rewa stimulation of the MFB: a 14C-2-deoxyglucose analysis. <b>1982</b> , 17, 841-5	arding 28
1968 Evolution of ideas on the primary visual cortex, 1955-1978: a biased historical account.	. <b>1982</b> , 2, 435-69 25
1967 Computer assisted analysis of 2-DG autoradiographs. <b>1982</b> , 6, 409-20	88
1966 A Four Ring Positron Camera System for Emission Tomography of the Brain. <b>1982</b> , 29,	539-543 66
Regional (14C) 2-deoxyglucose uptake during vibrissae movements evoked by rat mot stimulation. <b>1982</b> , 208, 255-87	cor cortex 66

1964	A proposed method for the determination of cerebral regional intermediary glucose metabolism in humans in vivo using specifically labeled 11C-glucose and positron emission transverse tomography (PETT). I. An animal model with 14C-glucose and rat brain autoradiography. <b>1982</b> , 7, 57-69	20
1963	Kainic acid alters cholinergic responses in the rat retina: a 2-deoxyglucose study. <b>1982</b> , 7, 297-303	12
1962	Local cerebral glucose metabolism in newborn dogs: effects of hypoxia and halothane anesthesia. <b>1982</b> , 11, 233-46	107
1961	Regional cerebral blood flow and glucose metabolism following transient forebrain ischemia. <b>1982</b> , 11, 499-502	513
1960	Dexamethasone and local cerebral glucose utilization in freeze-traumatized rat brain. 1982, 12, 157-62	38
1959	Local cerebral glucose utilization in the newborn macaque monkey. <b>1982</b> , 12, 333-40	71
1958	Cerebral metabolism and atrophy in Huntington's disease determined by 18FDG and computed tomographic scan. <b>1982</b> , 12, 425-34	410
1957	Tomographic mapping of human cerebral metabolism: sensory deprivation. <b>1982</b> , 12, 435-44	112
1956	Interictal cerebral glucose metabolism in partial epilepsy and its relation to EEG changes. <b>1982</b> , 12, 510-7	278
1955	Quantification in macroscopic autoradiography with carbon-14an evaluation of the method. <b>1982</b> , 33, 1427-32	13
1954	Tritiated 2-deoxy-D-glucose as a probe for cell membrane permeability studies. <b>1982</b> , 120, 8-11	55
1953	Inexpensive fiber optic two-dimensional densitometer for the high-resolution quantitation of autoradiogram grain densities. <b>1982</b> , 6, 113-9	7
1952	2-deoxyglucose autoradiography of single motor units: labeling of individual acutely active muscle fibers. <b>1982</b> , 5, 283-9	15
1951	Neurochemical correlates of the kindling model of epilepsy. <b>1982</b> , 6, 165-81	67
1950	The effect of inhibition of hexosemonophosphate shunt on the metabolism of glucose and function in rat brain in vivo. <b>1982</b> , 7, 1163-79	25
1949	A quantitative autoradiographic method for the measurement of local rates of brain protein synthesis. <b>1982</b> , 7, 563-76	32
1948	Localization of monoamine oxidases A and B in primate brains relative to neuron-specific and non-neuronal enolases. <b>1982</b> , 7, 657-66	8
1947	Metabolic profile of hippocampal regions after bilateral ischemia and recovery. <b>1982</b> , 7, 789-97	6

1946	Drosophila mutants disturbed in visual orientation. <b>1982</b> , 45, 63-70		17
1945	Demonstration of decreased functional activity of visual cortex by [11 C]methylglucose and positron emission tomography. <b>1982</b> , 23, 45-7		15
1944	A quantitative study in the rat on the relationship between imipramine levels in brain and serum. <b>1982</b> , 76, 48-51		11
1943	Functional ontogeny in the central auditory pathway of the Mongolian gerbil. A 2-deoxyglucose study. <b>1982</b> , 47, 428-36		52
1942	Production of 18F-labelled 2-deoxy-2-fluoro-D-glucose and preliminary imaging results. <b>1982</b> , 7, 379-86	1	4
1941	Relationship between regional brain angiotensinogen and local blood flow and volume in the adrenalectomized rat: application of approach to quantification of brain corticosterone receptors. <i>Journal of Neurochemistry</i> , <b>1982</b> , 39, 111-6	6	9
1940	Local cerebral glucose utilization in hypothermic and hyperthermic rats. <i>Journal of Neurochemistry</i> , <b>1982</b> , 39, 255-8	6	58
1939	No effect of hyperketonemia on local cerebral glucose utilization in conscious rats. <i>Journal of Neurochemistry</i> , <b>1982</b> , 38, 1637-41	6	29
1938	Measurement of cerebral glucose utilization using washout after carotid injection in the rat. Journal of Neurochemistry, <b>1982</b> , 38, 1413-8	6	23
1937	Effects of the putative GABAergic agonists, muscimol and THIP, upon local cerebral glucose utilisation. <i>Journal of Neurochemistry</i> , <b>1982</b> , 39, 613-24	6	61
1936	On "lumped constant" nomograms. <i>Journal of Neurochemistry</i> , <b>1982</b> , 39, 1774-6	6	2
1935	Functional activity of substantia nigra grafts reinnervating the striatum: neurotransmitter metabolism and [14C]2-deoxy-D-glucose autoradiography. <i>Journal of Neurochemistry</i> , <b>1982</b> , 38, 737-48	6	224
1934	Study of cerebral function with positron computed tomography. <b>1982</b> , 2, 113-62		315
1933	Effects of human aging on patterns of local cerebral glucose utilization determined by the [18F]fluorodeoxyglucose method. <b>1982</b> , 2, 163-71		283
1932	An intravenous technique for the measurement of cerebral vascular extraction fraction in the rat. <b>1982</b> , 2, 187-96		12
1931	Cerebral histamine: indications for neuronal and vascular regulation. <b>1982</b> , 2, 3-23		59
1930	Thiamine deficiency limits glucose utilization and glial proliferation in brain lesions of symptomatic rats. <b>1982</b> , 2, 203-7		13
1929	Local cerebral blood flow and glucose consumption of rats with experimental gliomas. <b>1982</b> , 2, 25-32		40

1928	Use of 2-deoxy-D[1-11C]glucose for the determination of local cerebral glucose metabolism in humans: variation within and between subjects. <b>1982</b> , 2, 307-19		115
1927	Increased local cerebral glucose utilization in the basal ganglia of the rolling mouse Nagoya. <b>1982</b> , 2, 385-93		19
1926	Substrate utilization and brain development. <b>1982</b> , 2, 394-407		143
1925	Effect of nitrous oxide on local cerebral glucose utilization in rats. <b>1982</b> , 2, 481-6		35
1924	Effect of apomorphine on the relationship between local cerebral glucose utilization and local cerebral blood flow (with an appendix on its statistical analysis). <b>1982</b> , 2, 487-99		137
1923	Significance of the potassium signal from neurones to glial cells. <b>1982</b> , 295, 59-61		97
1922	Local cerebral glucose utilization in non-rapid eye movement sleep. <b>1982</b> , 297, 325-7		121
1921	Exploration of the primary visual cortex, 1955-78. <b>1982</b> , 299, 515-24		228
1920	Changes in brain glycogen during slow-wave sleep in the rat. Journal of Neurochemistry, 1983, 41, 1498-	5⁄01	65
1919	Substrates of energy metabolism of the pituitary and pineal glands. <i>Journal of Neurochemistry</i> , <b>1983</b> , 41, 1718-25	6	36
1918	Cerebral blood flow and oxidative metabolism in conscious Fischer-344 rats of different ages. Journal of Neurochemistry, <b>1983</b> , 40, 801-5	6	32
1917	Glucose availability to individual cerebral structures is correlated to glucose metabolism. <i>Journal of Neurochemistry</i> , <b>1983</b> , 40, 1013-8	6	100
1916	Local cerebral glucose utilization in two models of B12 deficiency. <i>Journal of Neurochemistry</i> , <b>1983</b> , 40, 1155-60	6	14
1915	The effects of apomorphine upon local cerebral glucose utilization in conscious rats and in rats anesthetized with chloral hydrate. <i>Journal of Neurochemistry</i> , <b>1983</b> , 40, 569-76	6	37
1914	Kinetics of transport and phosphorylation of 2-fluoro-2-deoxy-D-glucose in rat brain. <i>Journal of Neurochemistry</i> , <b>1983</b> , 40, 160-7	6	97
1913	Lactate uptake and release in the presence of glucose by sympathetic ganglia of chicken embryos and by neuronal and nonneuronal cultures prepared from these ganglia. <i>Journal of Neurochemistry</i> , <b>1983</b> , 40, 1237-50	6	32
1912	Graphical evaluation of blood-to-brain transfer constants from multiple-time uptake data. <b>1983</b> , 3, 1-7		2825
1911	Quantitative measurement of local cerebral blood flow in humans by positron computed tomography and 15O-water. <b>1983</b> , 3, 141-53		163

1910	Comparative effects of acute and chronic administration of amphetamine on local cerebral glucose utilization in the conscious rat. <b>1983</b> , 3, 154-60	56
1909	Cerebral glucose metabolism as a function of age in man: influence of the rate constants in the fluorodeoxyglucose method. <b>1983</b> , 3, 250-3	66
1908	Autoradiographic determination of regional brain glucose content. <b>1983</b> , 3, 303-10	121
1907	Local cerebral glucose metabolism in rats with chronic portacaval shunts. <b>1983</b> , 3, 311-20	33
1906	A double-tracer autoradiographic method for measurement of glucose metabolism and cerebral blood flow. <b>1983</b> , 3, 399-400	8
1905	Simultaneous measurement of local glucose utilization and blood flow in the rat brain: an autoradiographic method using two tracers labeled with carbon-14. <b>1983</b> , 3, 62-6	42
1904	Effects of indomethacin and ibuprofen on cerebral metabolism and blood flow in traumatized brain. <b>1983</b> , 3, 448-59	61
1903	Metabolic mapping in the sympathetic ganglia and brain of the spontaneously hypertensive rat. <b>1983</b> , 3, 460-7	27
1902	Metabolic and histological reversibility of thiamine deficiency. <b>1983</b> , 3, 468-77	29
1901	Focal increases of white matter glucose utilization produced by electrical stimulation of rat motor cortex. <b>1983</b> , 3, 67-70	6
1900	Development of orientation columns in cat striate cortex revealed by 2-deoxyglucose autoradiography. <b>1983</b> , 301, 712-5	40
1899	A functional role for vasoactive intestinal polypeptide in anterior cingulate cortex. <b>1983</b> , 304, 438-40	57
1898	Modulation of substrate transport to the brain. <b>1983</b> , 67, 3-25	81
1897	Local blood flow and glucose consumption in the rat brain during sustained bicuculline-induced seizures. <b>1983</b> , 68, 129-44	118
1896	Methylphenidate decreases local glucose metabolism in the motor cortex. <b>1983</b> , 18, 1-5	23
1895	A cognitive-motor network demonstrated by positron emission tomography. <b>1983</b> , 21, 601-6	50
1894	The development and evaluation of a low-cost microdensitometer for use with the 2-deoxy-D-glucose method of functional brain mapping. <b>1983</b> , 8, 61-72	11
1893	The effects of intravenous norepinephrine on the local coupling between glucose utilization and blood flow in the rat brain. <b>1983</b> , 398, 134-8	33

1892	A comparison of the cerebral uptake and metabolism of labeled glucose and deoxyglucose in vivo in rats. <b>1983</b> , 8, 661-85	46
1891	Functional disturbances in brain following injury: search for underlying mechanisms. <b>1983</b> , 8, 63-72	7°
1890	Cerebellar output response to afferent stimulation: energy consumption and unit activity in the cat fastigial nucleus. <b>1983</b> , 52, 400-10	7
1889	75,77Br- and 123I-analogues of D-glucose as potential tracers for glucose utilisation in heart and brain. <b>1983</b> , 8, 237-41	31
1888	Sequence of metabolic, clinical, and histological events in experimental thiamine deficiency. <b>1983</b> , 13, 365-75	104
1887	Regional metabolic changes in the spinal cord related to spinal shock and later hyperreflexia in monkeys. <b>1983</b> , 14, 33-7	16
1886	In vivo disturbance of the oxidative metabolism of glucose in human cerebral gliomas. 1983, 14, 614-26	182
1885	Disturbance of oxidative metabolism of glucose in recent human cerebral infarcts. <b>1983</b> , 14, 627-37	105
1884	Local cerebral glucose consumption in the rat. I. Effects of halothane anesthesia. <b>1983</b> , 213, 36-45	44
1883	Local cerebral glucose consumption in the rat. II. Effects of unilateral substantia nigra stimulation in conscious and in halothane-anesthetized animals. <b>1983</b> , 213, 46-65	47
1882	Cerebellar output regulation by the climbing and mossy fibers with and without the inferior olive. <b>1983</b> , 213, 464-77	42
1881	Altered metabolic activity in the cerebral cortex of rats exposed to ketamine. <b>1983</b> , 220, 396-404	46
1880	The neurotoxicity of homodimaprit (SKF-91488): Sites of action assessed by the [14C]2-deoxyglucose technique. <b>1983</b> , 3, 581-587	1
1879	D-glucose derivatives labelled with 75,77Br and 123I. <b>1983</b> , 20, 391-415	22
1878	Quality control procedures in the preparation of 2-deoxy-D-[1-11C] glucose radiopharmaceutical. <b>1983</b> , 20, 417-427	10
1877	New high-yield synthesis of 18F-labelled 2-deoxy-2-fluoro-D-glucose. <b>1983</b> , 34, 893-6	52
1876	A deoxyglucose study on the differences in the brain metabolism of teleost fish after thermal acclimatization. <b>1983</b> , 8, 471-472	
1875	A densitometer for quantitative autoradiography. <b>1983</b> , 9, 243-51	23

1874	Use of [14C]-2-deoxyglucose to detect regional brain activities associated with fearful behavior in wild Norway rats. <b>1983</b> , 21, 235-238	3
1873	Maternal coordination of the fetal biological clock in utero. <b>1983</b> , 220, 969-71	224
1872	Research methods and research ethics-a critique of "some fundamental theoretical and practical problems associated with neurochemical techniques in mammalian studies". <b>1983</b> , 5, 15-20	1
1871	Fasting increases glucose and leucine uptake during regeneration of the hypoglossal nerve in the rat. <b>1983</b> , 41, 115-8	2
1870	Paucity of morphological changes in the brains of ageing beagle dogs: further evidence that Alzheimer lesions are unique for primate central nervous system. <b>1983</b> , 4, 127-31	28
1869	Regional cerebral metabolic rate for glucose in beagle dogs of different ages. <b>1983</b> , 4, 121-6	33
1868	Intra-amygdaloid injections of kainic acid: regional metabolic changes and their relation to the pathological alterations. <b>1983</b> , 8, 299-315	40
1867	Increased glucose utilization associated with inflammatory brain lesions of experimental allergic encephalomyelitis. <b>1983</b> , 37, 105-10	8
1866	Effects of barbiturates on energy and intermediary metabolism in cultured astrocytes. <b>1983</b> , 7, 691-6	11
1865	The effect of concussion on cerebral uptake of 2-deoxy-D-glucose in rat. <b>1983</b> , 40, 287-91	20
1864	Activity of muscle cultures measured by 2-deoxyglucose uptake. <b>1983</b> , 1, 267-71	7
1863	Neurochemistry of the vertebrate olfactory bulb. <b>1983</b> , 10, 579-619	306
1862	Two levels of functional heterogeneity of the neostriatum. <b>1983</b> , 10, 1151-5	27
1861	Regional localization by light microscopic autoradiography of receptors in mouse brain for phorbol ester tumor promoters. <b>1983</b> , 18, 35-40	29
1860	Radioactive deoxyglucose uptake into the prefrontal cortex during a delayed response task of the monkey. <b>1983</b> , 36, 329-33	11
1859	Neurobiological investigations on the magnetic sensitivity of the pineal gland in rodents and pigeons. <b>1983</b> , 76, 683-689	131
1858	Cerebral glucose utilization: local changes after microinoculation of scrapie agent in hamster. <b>1983</b> , 36, 181-7	9
1857	Acoustic stimulation alters deoxyglucose uptake in the mouse cochlea and inferior colliculus. <b>1983</b> , 10, 217-26	59

1856	Monocular stimulation increases deoxyglucose uptake in ipsilateral primary optic centers of the rat. <b>1983</b> , 41, 277-82	9
1855	Improved resolution of the 2-deoxy-D-glucose technique. <b>1983</b> , 289, 311-6	11
1854	The effect of antidepressant drugs on regional cerebral glucose utilization in the rat. <b>1983</b> , 269, 319-25	34
1853	An analysis of the mechanisms underlying hippocampal control of hypothalamically-elicited aggression in the cat. <b>1983</b> , 269, 327-45	16
1852	The effect of auditory stimulus rate on [14C]2-deoxyglucose uptake in rabbit inferior colliculus. 1983, 279, 85-91	10
1851	Effects of dopaminergic stimulation on functional brain metabolism in rats with unilateral substantia nigra lesions. <b>1983</b> , 263, 267-75	66
1850	Global increase in cerebral metabolism and blood flow produced by focal electrical stimulation of dorsal medullary reticular formation in rat. <b>1983</b> , 272, 101-14	69
1849	Decrease of [14C]2-deoxyglucose uptake at the intracerebellar nuclei during cerebellar cortex stimulation. <b>1983</b> , 272, 171-4	3
1848	Elevated glucose utilization in subfornical organ and pituitary neural lobe of the Brattleboro rat. <b>1983</b> , 275, 189-93	26
1847	Naloxone pretreatment alters the local cerebral metabolic effect of gamma-hydroxybutyrate in rats. <b>1983</b> , 275, 194-7	27
1846	Hypnogenic center theory of sleep: no support from metabolic mapping in monkeys. <b>1983</b> , 268, 372-6	26
1845	In vivo metabolic activity of the suprachiasmatic nuclei: a comparative study. <b>1983</b> , 274, 184-7	130
1844	A dopamine-sensitive striatal efferent system mapped with [14C]deoxyglucose in the rat. <b>1983</b> , 261, 213-29	46
1843	Local cerebral glucose utilization in epileptic seizures of the mutant El mouse. <b>1983</b> , 266, 359-63	67
1842	Electrical stimulation of cerebellar fastigial nucleus increases cerebral cortical blood flow without change in local metabolism: evidence for an intrinsic system in brain for primary vasodilation. <b>1983</b> , 260, 35-49	122
1841	A potential error in modifications of the [14C]2-deoxyglucose technique. <b>1983</b> , 260, 172-7	26
1840	The milk ejection pathway in brain studied with the 2-deoxyglucose method. <b>1983</b> , 273, 291-6	9
1839	Organization of the mouse cerebral cortex: a histochemical study using glycogen phosphorylase. 1983, 267, 201-16	22

1838	Resolution-limiting factors in 2-deoxyglucose autoradiography. I. Factors other than diffusion. <b>1983</b> , 267, 323-33	27
1837	Metabolic activation of the brachium conjunctivum during induced hypothermia. <b>1983</b> , 269, 168-71	1
1836	Central injections of the GABA-transaminase inhibitor ethanolamine-O-sulfate (EOS): effects on brain [14C]2-deoxy-D-glucose uptake and behavior in rats. <b>1983</b> , 262, 243-52	7
1835	Correlation of brain glucose utilization and cortical electrical activity during development of brain oxygen toxicity. <b>1983</b> , 262, 267-73	28
1834	[14C]2-deoxyglucose demonstration of the organization of ocular dominance in areas 17 and 18 of the normal cat. <b>1983</b> , 267, 35-46	24
1833	The effects of the GABAergic agonist muscimol upon the relationship between local cerebral blood flow and glucose utilization. <b>1983</b> , 258, 338-42	62
1832	Functional anatomy of limbic seizures: focal discharges from medial entorhinal cortex in rat. <b>1983</b> , 280, 25-40	177
1831	The relationship of local cerebral glucose utilization to optical density ratios. <b>1983</b> , 263, 97-103	118
1830	Unilaterally activated systems in rats self-stimulating at sites in the medial forebrain bundle, medial prefrontal cortex, or locus coeruleus. <b>1983</b> , 266, 39-50	63
1829	Water deprivation results in increased 2-deoxyglucose uptake by paraventricular neurones as well as pars nervosa in Wistar and Brattleboro rats. <b>1983</b> , 271, 101-8	26
1828	Differential effects of locus coeruleus lesions upon metabolic activity in CNS nuclei involved in cardiovascular regulation. <b>1983</b> , 271, 109-14	8
1827	Studies of nuclear magnetic resonance imaging and regional cerebral glucose metabolism in acute cerebral ischemia: possible mechanism of opiate antagonist therapeutic activity. <b>1983</b> , 33 Suppl 1, 763-8	10
1826	Aortic baroreceptor reflex pathway: a functional mapping using [3H]2-deoxyglucose autoradiography in the rat. <b>1983</b> , 8, 111-28	41
1825	The postnatal metabolic development of the nucleus commissuralis and nucleus medialis of the nucleus tractus solitarius. <b>1983</b> , 285, 359-67	3
1824	Topographical distribution of propagation of seizure activity in the basal ganglia during focal motor seizures in the monkey. <b>1983</b> , 38, 29-33	20
1823	Prospects for the use of radiolabeled antiviral drugs in the diagnosis of herpes simplex encephalitis. <b>1983</b> , 32, 2455-61	15
1822	Neuronal response of the hippocampal formation to injury: blood flow, glucose metabolism, and protein synthesis. <b>1983</b> , 79, 329-46	13
1821	Auditory nerve-brain stem evoked potentials in cats during manipulation of the cerebral perfusion pressure. <b>1983</b> , 55, 198-202	38

1820	Auditory nerve-brain stem evoked potentials and EEG during severe hypoglycemia. 1983, 55, 714-6	15
1819	Effects of cholinomimetics on glucose utilization in rat brain optic systems. <b>1983</b> , 87, 137-40	15
1818	Comparison of metabolic rates, language, and memory in subcortical aphasias. <b>1983</b> , 19, 33-47	111
1817	A [14C]2-deoxyglucose analysis of the functional neural pathways of the limbic forebrain in the rat. III. The hippocampal formation. <b>1983</b> , 286, 133-76	45
1816	A [14C]2-deoxyglucose analysis of the functional neural pathways of the limbic forebrain in the rat. I. The amygdala. <b>1983</b> , 286, 1-44	93
1815	Functional localization of epileptogenic lesions. <b>1983</b> , 6, 60-65	25
1814	Methods in neurobiology, vols 1 and 2. <b>1983</b> , 6, 65-66	
1813	Application of computer-assisted image processing to autoradiographic methods for studying brain functions. <b>1983</b> , 6, 256-260	13
1812	Neuronal growth factors. <b>1983</b> , 6, 260-262	8
1811	Effects of methylprednisolone on peritumoral brain edema. A quantitative autoradiographic study. <b>1983</b> , 59, 612-9	66
1810	Relationships between extraction and metabolism of glucose, blood flow, and tissue blood volume in regions of rat brain. <b>1983</b> , 3, 291-302	142
1809	The modular architectonic principle of neural centers. <b>1983</b> , 98, 11-61	116
1808	Evidence for olfactory function in utero. <b>1983</b> , 221, 478-80	109
1807	Local cerebral blood flow increases during auditory and emotional processing in the conscious rat. <b>1983</b> , 221, 576-8	102
1806	Down's syndrome in adults: brain metabolism. <b>1983</b> , 221, 781-3	57
1805	Barbiturate-enhanced detection of brain lesions by carbon-14-labeled 2-deoxyglucose autoradiography. <b>1983</b> , 219, 879-81	37
1804	Identification and differentiation of resting myocardial ischemia and infarction in man with positron computed tomography, 18F-labeled fluorodeoxyglucose and N-13 ammonia. <b>1983</b> , 67, 766-78	349
1803	SELF-STIMULATION. <b>1983</b> , 269-349	6

1802	The fluorodeoxyglucose 18F scan in Alzheimer's disease and multi-infarct dementia. 1983, 40, 711-4	333
1801	Frequency-dependent activation of glucose utilization in the superior cervical ganglion by electrical stimulation of cervical sympathetic trunk. <b>1983</b> , 80, 4179-83	88
1800	Functional role for vasoactive intestinal polypeptide in the caudate nucleus: a 2-deoxy[14C]glucose investigation. <b>1983</b> , 80, 1472-6	36
1799	Regional cerebral glucose metabolism during and after bilateral cerebral ischemia in the gerbil. <b>1983</b> , 14, 568-74	32
1798	Cerebral Circulation. 1983, 137-182	49
1797	Delayed metabolic maturation of the cerebral cortex of rat pups derived from lead-treated dams. 1983, 11, 211-225	4
1796	Cerebral glucose utilization, as measured with positron emission tomography in 21 resting healthy men between the ages of 21 and 83 years. <b>1983</b> , 106 (Pt 3), 761-75	206
1795	Cortical organization: A plea for better understanding, clearer definition, and more correct use of the term Bolumn 1983, 6, 169-171	2
1794	Metabolism of 3-deoxy-3-fluoro-D-mannose and 4-deoxy-4-fluoro-D-mannose by Saccharomyces cerevisiae S288C. <b>1983</b> , 209, 677-85	9
1793	Regional cerebral glucose utilization measured with [14C]glucose in brief experiments. <b>1983</b> , 245, C428-38	35
1792	A TRH ANALOG (DN-1417): EFFECTS ON LOCAL CEREBRAL GLUCOSE UTILIZATION IN CONSCIOUS AND PENTOBARBITALIZED RATS DETERMINED BY THE AUTORADIOGRAPHIC 2-DEOXY-[14C]GLUCOSE METHOD. <b>1983</b> , 33, 635-645	
1791	Positron Emission Tomography the Technique and Its Applications to the Study of the Cardiovascular System. <b>1983</b> , 1, 501-520	3
1790	Positron computed tomography for studies of myocardial and cerebral function. <b>1983</b> , 98, 339-59	55
1789	Regional metabolic activity in the rat brain during sleep-wake activity. <b>1983</b> , 6, 196-216	75
1788	Local cerebral glucose utilization in systemic acidosis. <b>1984</b> , 247, R639-45	7
1787	Positron emission tomography and nuclear magnetic resonance. <b>1983</b> , 31, 441-55	
1786	A method for measurement of arterial concentration of cerebral blood flow tracer for autoradiographic experiments. <b>1984</b> , 11, 380-2	
1785	The cerebral metabolism of L-dihydroxyphenylalanine. An autoradiographic and biochemical study. <b>1984</b> , 28, 12-26	42

1784	Cerebral glucose metabolism in Parkinson's disease. <b>1984</b> , 11, 169-73	57
1783	Intrahepatic glucose: a requirement for neonatal ODC induction by specific hormones. <b>1984</b> , 247, E243-50	
1782	Localized Effects of Naloxone on Local Cerebral Glucose Utilization in Rat Cerebral Nuclei with Met-Enkephalinergic Neurons. <b>1984</b> , 36, 339-348	
1781	PET scanning of human brain tumors. <b>1984</b> , 27, 154-69	8
1780	Correlation of experimental and clinical studies of metabolism by PET scanning. <b>1984</b> , 27, 170-8	17
1779	Simultaneous study of learning, cerebral hemodynamics, and metabolism in aged rats: effects of a dopaminergic agonist. <b>1984</b> , 11, 68-77	2
1778	Determination of local metabolic rate and local blood flow in the brain using the 2-deoxyg}ucose-and iodoantipyrine techniques. <b>1984</b> , 111-120	
1777	Determination of regional glucose metabolism in patients with ischaemic infarct by positron emission tomography. <b>1984</b> , 315-322	1
1776	Untersuchungen Ber den regionalen Glukosestoffwechsel mit der Positronen-Emissions-Tomographie (PET) bei Patienten mit ischEhischem Infarkt. <b>1984</b> , 339-346	
1775	Neurologic Applications of Positron Emission Tomography. <b>1984</b> , 2, 853-871	Ο
1774	Messung von lokalem Stoffwechsel und lokaler Durchblutung im Gehirn mit der Desoxyglukose- und Jodantipyrin-Methode. <b>1984</b> , 123-132	
1773	Topographic analysis of the redox state of rat brain by NADH fluorescence photography of cross sections. <b>1984</b> , 95, 213-21	4
1772	Comparison of the effects of Althesin and sodium pentobarbitone on the regional uptake of 2-deoxyglucose by the brain and pituitary gland of the rat: selective effects on pars intermedia. <b>1984</b> , 38, 237-42	5
1771	Positron Emission Tomography (PET): A Threat to EEG?. <b>1984</b> , 24, 25-31	1
1770	Sympathetic nerves reduce cerebral blood flow during hypoxia in awake rabbits. <b>1984</b> , 247, H446-51	4
1769	Simultaneous study of cerebral blood flow, vascular bed and deoxyglucose in aged rats. Effects of two dihydrogenated rye ergot alkaloids. <b>1984</b> , 28, 241-50	3
1768	Soman Induced Changes in Brain Regional Glucose Use. <b>1984</b> , 4, 173-183	
1767	Comparison of various methods for delivering radiolabeled monoclonal antibody to normal rat brain. <b>1984</b> , 61, 901-11	41

Positron emission tomography study of regional glucose metabolism in cerebral 1766 ischemia--topographic and kinetic aspects. 1984, 62, 253-62 A [3H]2-deoxyglucose method for comparing rates of glucose metabolism and insulin responses among rat tissues in vivo. Validation of the model and the absence of an insulin effect on brain. 148 **1984**, 33, 141-52 1764 Prions: novel infectious pathogens. 1984, 29, 1-56 44 Local cerebral glucose utilisation in treated and untreated patients with Parkinson's disease. 1984, 1763 77 47, 824-30 1762 Factors involved in the physiological regulation of the cerebral circulation. 1984, 101, 161-211 179 1761 The Diagnosis of Alzheimer-Type Dementia. 1984, 252, 2750 8 1760 Is there an evoked vascular response?. **1984**, 224, 1355-7 53 Effects of age on dopamine and serotonin receptors measured by positron tomography in the 627 living human brain. 1984, 226, 1393-6 1758 PET scan controversy aired. 1984, 224, 143-4 30 Activation of pontine cholinergic sites implicated in unconsciousness following cerebral concussion 95 1757 in the cat. 1984, 223, 301-3 1756 Metabolic mapping of the brain during rewarding self-stimulation. 1984, 224, 306-9 102 Changes in metabolic activity of the brain stem during central and peripheral thermal stimulation. 1755 **1984**, 9, 33-38 Positron emission tomography. 1984, 24, 385-403 1 A simplified method for computerized densitometry of complex shapes in 2-deoxyglucose 7 1753 autoradiographs. 1984, 11, 143-58 Computer-assisted three-dimensional and two-dimensional reconstructions of autoradiographic 8 1752 images of the cerebral cortex. 1984, 10, 189-98 Computer-assisted analyses of [14C]2-DG autoradiographs employing a general purpose image 1751 21 processing system. 1984, 11, 243-50 Functional neuronal replacement by grafted striatal neurones in the ibotenic acid-lesioned rat 1750 272 striatum. 1984, 311, 458-60 The activities of some energy-metabolising enzymes in nonsynaptic (free) and synaptic 6 61 mitochondria derived from selected brain regions. Journal of Neurochemistry, 1984, 42, 1306-12

Effect of folate deficiency on local cerebral glucose utilization in the rat. <i>Journal of Neurochemistr</i> <b>1984</b> , 42, 1582-7	<sup>cy,</sup> 6	3
Haloperidol and cerebral metabolism in the conscious rat: relation to pharmacokinetics. <i>Journal o,</i> Neurochemistry, <b>1984</b> , 43, 724-32	f 6	63
2-Deoxyglucose incorporation into rat brain glycogen during measurement of local cerebral glucose utilization by the 2-deoxyglucose method. <i>Journal of Neurochemistry</i> , <b>1984</b> , 43, 949-56	6	57
1745 The Authors Reply. <b>1984</b> , 4, 126-126		
Local interrelationships of cerebral oxygen consumption and glucose utilization in normal subject and in ischemic stroke patients: a positron tomography study. <b>1984</b> , 4, 140-9	S	218
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. <b>1984</b> , 212-23	•	186
1742 Multiple-radionuclide autoradiography in evaluation of cerebral function. <b>1984</b> , 4, 264-9		29
1741 Regional evaluation of ischemic metabolic alterations. <b>1984</b> , 4, 309-16		31
Alternative approach to single-scan estimation of cerebral glucose metabolic rate using glucose analogs, with particular application to ischemia. <b>1984</b> , 4, 35-40		89
Decreased cortical glucose utilization after ibotenate lesion of the rat ventromedial globus pallidus. <b>1984</b> , 4, 381-90		71
Intercorrelations of glucose metabolic rates between brain regions: application to healthy males i a state of reduced sensory input. <b>1984</b> , 4, 484-99	n	234
An improved approach for measurement of regional cerebral rate constants in the deoxyglucose method with positron emission tomography. <b>1984</b> , 4, 555-63		24
Patterns of glucose utilization and protein synthesis in the development of Dictyostelium discoideum. <b>1984</b> , 26, 103-106		6
The effect of indomethacin on the local cerebral blood flow increase induced by somato-sensory stimulation. <b>1984</b> , 122, 269-74		9
1734 The effect of metrizamide on regional brain glucose metabolism in the rat. <b>1984</b> , 69, 249-53		8
1733 Syntheses with isotopically labelled carbon. Methyl iodide, formaldehyde and cyanide. <b>1984,</b> 35, 3	23-35	16
Tritiated 2-deoxy-D-glucose: a high-resolution marker for autoradiographic localization of brain metabolism. <b>1984</b> , 222, 128-39		20
Regional (14C) 2-deoxyglucose uptake during forelimb movements evoked by rat motor cortex stimulation: cortex, diencephalon, midbrain. <b>1984</b> , 224, 259-85		30

1730	Regional (14C) 2-deoxyglucose uptake during forelimb movements evoked by rat motor cortex stimulation: pons, cerebellum, medulla, spinal cord, muscle. <b>1984</b> , 224, 286-306	40
1729	The monocular and binocular subfields of the rat's primary visual cortex: a quantitative morphological approach. <b>1984</b> , 226, 391-402	101
1728	Accumulation of 2-deoxy-D-glucose by primate oocytes fertilized in vitro. <b>1984</b> , 7, 57-61	
1727	Opioid-induced epileptogenic phenomena: anatomical, behavioral, and electroencephalographic features. <b>1984</b> , 15, 361-8	49
1726	Patterns of local cerebral glucose utilization determined in Parkinson's disease by the [18F]fluorodeoxyglucose method. <b>1984</b> , 15, 419-24	162
1725	Contralateral cerebellar hypometabolism following cerebral insult: a positron emission tomographic study. <b>1984</b> , 15, 425-34	146
1724	The functional anatomy of frontal lobe neglect in the monkey: behavioral and quantitative 2-deoxyglucose studies. <b>1984</b> , 15, 521-9	81
1723	Diagnostic imaging of herpes simplex virus encephalitis using a radiolabeled antiviral drug: autoradiographic assessment in an animal model. <b>1984,</b> 15, 548-58	36
1722	Modeling metabolic processes in the brain in vivo. <b>1984</b> , 15 Suppl, S1-11	49
1721	Emission tomographic measurement of local cerebral blood flow in humans by an in vivo autoradiographic strategy. <b>1984</b> , 15 Suppl, S12-8	20
1720	Assessment of dopamine receptor densities in the human brain with carbon-11-labeled N-methylspiperone. <b>1984</b> , 15 Suppl, S79-84	36
1719	A regional metabolic contrast method for the study of brain pathology. <b>1984</b> , 15 Suppl, S93-7	10
1718	Issues in the in vivo measurement of glucose metabolism of human central nervous system tumors. <b>1984</b> , 15 Suppl, S138-46	99
1717	Positron emission tomographic image measurement in schizophrenia and affective disorders. <b>1984</b> , 15 Suppl, S157-65	111
1716	The use of positron emission tomographic scanning in epilepsy. <b>1984</b> , 15 Suppl, S180-91	69
1715	Criteria for the tracer kinetic measurement of cerebral protein synthesis in humans with positron emission tomography. <b>1984</b> , 15 Suppl, S192-202	55
1714	Cerebral blood flow and regional potassium distribution during focal ischemia of gerbil brain. <b>1984</b> , 16, 232-7	37
1713	Seeing with the visual cortex. <b>1984</b> , 5, 133-53	1

1712	Positron emission tomography. <b>1984</b> , 7, 233-52	7
1711	Positron emission tomography in the study of cerebral tumours. <b>1984</b> , 7, 253-8	8
1710	Calcium antagonist binding sites in the rat brain: quantitative autoradiographic mapping using the 1,4-dihydropyridines [3H]PN 200-110 and [3H]PY 108-068. <b>1984</b> , 60, 169-97	142
1709	Quantitative computer analysis of autoradiographs utilizing a charge-coupled device solid-state camera. <b>1984</b> , 12, 29-36	25
1708	Cerebral metabolic and circulatory effects of 1,1,1-trichloroethane, a neurotoxic industrial solvent.  1. Effects on local cerebral glucose consumption and blood flow during acute exposure. <b>1984</b> , 2, 39-53	2
1707	In vivo determination of transport and metabolism of deoxyglucose in intestinal tissues. <b>1984</b> , 401, 233-8	1
1706	Deoxyglucose mapping of nervous activity induced inDrosophila brain by visual movement. <b>1984</b> , 155, 471-483	71
1705	Positron CT imaging using a high resolution PCT device (Positologica-I), 11CO, 13NH3, and 18FDG in clinical evaluation of cerebrovascular diseases. <b>1984</b> , 9, 265-71	1
1704	On the measurement of glucose in brain: a comment to Sacks et al. (1983). <b>1984</b> , 9, 1667-71	14
1703	Glucose protects DBA/2J mice from audiogenic seizures: correlation with brain glycogen levels. <b>1984</b> , 84, 128-31	9
1702	Harmaline induced tremor. III. A combined simple units, horseradish peroxidase, and 2-deoxyglucose study of the olivocerebellar system in the rat. <b>1984</b> , 57, 128-37	34
1701	On the spatial arrangement of iso-orientation bands in the cat's visual cortical areas 17 and 18: a 14C-deoxyglucose study. <b>1984</b> , 56, 384-8	26
1700	Neural substrates for tone-conditioned bradycardia demonstrated with 2-deoxyglucose. I. Activation of auditory nuclei. <b>1984</b> , 14, 213-33	64
1699	[14C]deoxyglucose uptake of the rat visual centres under monocular optokinetic stimulation. <b>1984</b> , 11, 271-5	12
1698	Influence of the input function on the calculation of the local cerebral metabolic rate for glucose in the deoxyglucose method. <b>1984</b> , 4, 41-6	16
1697	COMMUNICATION. <b>1984</b> , 83, 349P-463P	
1696	3H-2-deoxyglucose uptake after electrical stimulation of cardioactive sites in anterior medial cortex in rabbits. <b>1984</b> , 13, 371-82	15
1695	Soman induced changes in brain regional glucose use. <b>1984</b> , 4, S173-83	42

1694	Differential response of plasma glucose, amino acids and nonesterified fatty acids to insulin in depressed patients. <b>1984</b> , 9, 161-71	10
1693	Classical conditioning enhances auditory 2-deoxyglucose patterns in the inferior colliculus. <b>1984</b> , 51, 79-85	34
1692	Maturation of kainic acid seizure-brain damage syndrome in the rat. I. Clinical, electrographic and metabolic observations. <b>1984</b> , 13, 1051-72	188
1691	Differential 2-deoxyglucose uptake into chick brain structures during passive avoidance training. <b>1984</b> , 12, 971-7	81
1690	Positron emission tomography of the brain: measurement of regional cerebral function in man. <b>1984</b> , 86, 1-11	7
1689	Metabolic responses to suckling in postpartum lactating rats. <b>1984</b> , 291, 351-5	6
1688	Attempts to combine 2-deoxyglucose autoradiography and tyrosine hydroxylase immunohistochemistry. <b>1984</b> , 13, 495-512	9
1687	Functional consequences of unilateral lesion of the locus coeruleus: a quantitative [14C]2-deoxyglucose investigation. <b>1984</b> , 292, 239-49	29
1686	Regional cerebral glucose utilization rates in rats during asymptomatic period of exposure to 1, 2 and 3 atmospheres absolute of oxygen. <b>1984</b> , 11, 947-50	11
1685	Blood flow compensates oxygen demand in the vulnerable CA3 region of the hippocampus during kainate-induced seizures. <b>1984</b> , 13, 1039-49	76
1684	Local cerebral metabolic effects induced by nigral stimulation following ventromedial thalamic lesions. I: Basal ganglia and related motor structures. <b>1984</b> , 12, 609-16	21
1683	Functional activity of the suprachiasmatic nuclei in the fetal primate. <b>1984</b> , 46, 145-9	69
1682	Olfactory mitral cell integrity after freeze-fixation. <b>1984</b> , 46, 197-201	
1681	Local cerebral glucose utilization rate following intermittent exposures to 2 atmosphere absolute oxygen. <b>1984</b> , 50, 79-84	4
1680	Early development of changes in cortical representation of C3 vibrissa following neonatal denervation of surrounding vibrissa receptors: a 2-deoxyglucose study in the rat. <b>1984</b> , 46, 7-12	32
1679	The development of the vibrissal cortical column: a 2-deoxyglucose study in the rat. <b>1984</b> , 46, 1-6	29
1678	Positron emission tomography of the brain: new possibilities for the investigation of human cerebral pathophysiology. <b>1984</b> , 23, 1-38	30
1677	Glucose utilization in the auditory system: cochlear dysfunctions and species differences. <b>1984</b> , 78, 43-7	16

1676 Processing of Visual Information within the Retinostriate System. **1984**, 341-424

1675 Role (	of angiotensin II(AII) receptors in discrete rat brain areas and posterior pituitary. <b>1984</b> , 6, 2107-11	
	ffect of Nitroimidazoles on Glucose Utilization and Lactate Accumulation in Mouse Brain. 97, 87	2
1673 Positi	on emission tomography in the study of human tumors. <b>1984</b> , 14, 324-41	81
1672 <b>Com</b> p	arison of 2- and 3-18F-fluoro-deoxy-D-glucose for studies of tissue metabolism. <b>1984</b> , 11, 15-22	17
1671 <b>2-Dec</b>	oxyglucose uptake and histologic changes in rat thalamus after neocortical ablations. <b>1984</b> , 83, 134-43	30
	adiographic deoxyglucose study of visually activated extrastriate cortex in the primate: -dimensional reconstruction. <b>1984</b> , 85, 383-90	2
1669 Phago	ocytic and metabolic reactions to chronically implanted metal brain electrodes. <b>1984</b> , 86, 171-82	40
1668 <b>2-Dec</b>	oxyglucose uptake in the thalamus of awake rats after neocortical ablations. <b>1984</b> , 86, 261-71	26
	very from partial deafferentation increases 2-deoxyglucose uptake in distant spinal segments. 84, 627-42	5
1666 (db/d	ted maximum capacity of glycolysis in brown adipose tissue of genetically obese, diabetic b) mice and its restoration following treatment with a thermogenic beta-adrenoceptor st. <b>1984</b> , 176, 16-20	28
	induction of neuroblastoma differentiation by CCA mediated by its effects on the ochemical gradient?. <b>1984,</b> 173, 19-22	2
1664 Brain	stem auditory evoked potentials in rats with high-dose pentobarbital. <b>1984</b> , 58, 266-76	26
1663 Effect	es of acute administration of caffeine on local cerebral glucose utilization in the rat. <b>1984</b> , 101, 91-100	44
	es of systemically administered cholecystokinin-octapeptide on local cerebral metabolism. 101, 147-51	15
1661 Phosp	phorylation of glucose analog 3-O-methyl-D-glucose by rat heart. <b>1984,</b> 119, 1008-14	29
1660 Chang	ges in mitochondrial proteins during neuroblastoma differentiation. <b>1984</b> , 120, 411-9	4
	ffect of insulin and hydrocortisone on the in vivo tissue uptake of 2-deoxyglucose in mice. 12, 125-40	1

1658	The Genain Quadruplets: electrophysiological, positron emission, and X-ray tomographic studies. <b>1984</b> , 13, 95-108	24
1657	Kainic-acid-induced seizures: a developmental study. <b>1984</b> , 315, 139-48	321
1656	Auditory brainstem response in NICU infants. <b>1984</b> , 8, 155-62	3
1655	Modular organization of prefrontal cortex. <b>1984</b> , 7, 419-424	169
1654	Brain function: neural adaptations and recovery from injury. <b>1984</b> , 35, 277-308	125
1653	The effect of the calcium antagonist nimodipine upon local cerebral glucose utilization in the rat brain. <b>1984</b> , 34, 2583-8	12
1652	The effect of osmotic challenge and subsequent rehydration on the aging hypothalamo-neurohypophyseal system. A quantitative morphological study of the supraoptic nucleus. <b>1984</b> , 26, 299-310	8
1651	Focal and diffuse metabolic changes in the spinal cord of the monkey elicited by microstimulation of differing motor cortical foci. <b>1984</b> , 310, 43-54	3
1650	Glucose utilization is unchanged in red nucleus after axotomy. <b>1984</b> , 324, 253-9	7
1649	Metabolic and behavioral consequences of lidocaine-kindled seizures. <b>1984</b> , 324, 295-303	64
1648	Effect of mating on the metabolic activity of the brain and pituitary gland assessed by [14C]2-deoxyglucose in a reflex ovulator, the vole (Microtus agrestis). <b>1984</b> , 311, 317-22	4
1647	An analysis of the mechanisms underlying septal area control of hypothalamically elicited aggression in the cat. <b>1984</b> , 310, 235-48	26
1646	Correlation of age and body weight with local cerebral glucose utilization in 8-14 week-old rats. <b>1984</b> , 301, 143-5	5
1645	Acute administration of 1-N-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP), a compound producing parkinsonism in humans, stimulates [2-14C]deoxyglucose uptake in the regions of the catecholaminergic cell bodies in the rat and guinea pig brains. <b>1984</b> , 301, 187-91	24
1644	Identification of [3H]deoxyglucose-labelled interneurons in the fly from serial autoradiographs. <b>1984</b> , 305, 384-8	16
1643	Correlation of dose-dependent effects of acute amphetamine administration on behavior and local cerebral metabolism in rats. <b>1984</b> , 307, 311-20	126
1642	Deoxyglucose uptake and choline acetyltransferase activity in cerebral cortex following lesions of the nucleus basalis magnocellularis. <b>1984</b> , 307, 366-9	39
1641	Regional brain glucose metabolism in chemically-induced seizures in the rat. <b>1984</b> , 297, 235-45	55

1640	Local cerebral glucose utilization altered in rats with unilateral electrolytic striatal lesions and modification by apomorphine. <b>1984</b> , 324, 59-68	25
1639	Functional activation in the auditory system of the rat produced by arousing reticular stimulation: a 2-deoxyglucose study. <b>1984</b> , 299, 201-14	83
1638	Regional variability of blood flow and glucose utilization within the subependymal germinal matrix. <b>1984</b> , 299, 281-8	18
1637	Extrastriatal circuits activated by intrastriatal muscimol: a [14C]2-deoxyglucose investigation. <b>1984</b> , 292, 357-66	26
1636	Glucose utilization in the Papez circuit: effects of oxotremorine and scopolamine. <b>1984</b> , 295, 137-44	29
1635	Activation of caudal brainstem cell groups during the exercise pressor reflex in the cat as elucidated by 2-[14C]deoxyglucose. <b>1984</b> , 304, 178-82	26
1634	The distribution of hexokinase compared to cytochrome oxidase and acetylcholinesterase in the somatosensory cortex and the superior colliculus of the rat. <b>1984</b> , 290, 384-9	33
1633	Release of pentobarbital-induced depression of metabolic rate during bilateral ischemia in the gerbil brain. <b>1984</b> , 309, 152-5	14
1632	The nutrient supply of the chick visual system: responses to form and light deprivation. <b>1984</b> , 301, 259-63	1
1631	Effect of morphine on regional cerebral oxygen consumption and supply. <b>1984</b> , 291, 301-8	20
1630	Acute administration of high doses of estrogen increases glucose utilization throughout brain. <b>1984</b> , 291, 391-4	46
1629	Adaptive reaction of nigral neurons following lesion of their ventromedial-thalamic projection field. <b>1984</b> , 302, 190-5	9
1628	Local changes in cerebral 2-deoxyglucose uptake during alphaxalone anaesthesia with special reference to the habenulo-interpeduncular system. <b>1984</b> , 300, 19-26	22
1627	Metabolic influence of the hippocampus on hypothalamus, preoptic and basal forebrain is exerted through amygdalofugal pathways. <b>1984</b> , 45, 211-6	18
1626	Neuroanatomical Mapping of Visually Induced Nervous Activity in Insects by 3H-Deoxyglucose. <b>1984</b> , 623-634	13
1625	Computer applications in cell and neurobiology: a review. <b>1984</b> , 90, 83-124	11
1624	Comparison of electrophysiologic and metabolic changes in the human epileptic cortex. <b>1984</b> , 62, 303-13	1
1623	Regional enzyme development in rat brain. Enzymes associated with glucose utilization. <b>1984</b> , 218, 131-8	95

1622	Anteroposterior gradients in cerebral glucose use in schizophrenia and affective disorders. <b>1984</b> , 41, 1159-66	280
1621	Correlation between brain surface potassium and glucose utilization after bilateral cerebral ischemia in the gerbil. <b>1984</b> , 15, 851-7	12
1620	Changes in local cerebral glucose utilization during rewarding brain stimulation. <b>1984</b> , 81, 635-9	33
1619	The use and impact of positron computed tomography scanning in epilepsy. <b>1984</b> , 25 Suppl 2, S86-104	45
1618	Use of short-lived 18F and long-lived 14C in double tracer autoradiography for simultaneous measurement of LCBF and LCGU. <b>1984</b> , 15, 896-900	32
1617	Proceedings of the Physiological Society, 23-24 September 1983, Edinburgh Meeting: Demonstrations. <b>1984</b> , 346, 1-22	
1616	Proceedings of the Physiological Society, 26-27 March 1984, University College Meeting: Poster Communications. <b>1984</b> , 353, 121-134	2
1615	Tinnitus: some thoughts about its origin. <b>1984</b> , 98, 31-37	28
1614	Transport of Sugars and Amino Acids. <b>1984</b> , 22, 91-130	12
1613	Regional enzyme development in rat brain. Enzymes of energy metabolism. <b>1984</b> , 218, 139-45	65
1612	Monosaccharide transport in the mammary gland of the intact lactating rat. <b>1984</b> , 218, 213-9	47
1611	Comparative measurement of regional blood flow, oxygen and glucose utilisation in soft tissue tumour of rabbit with positron imaging. <b>1985</b> , 58, 637-43	9
1610	Graded focal cerebral ischemia in the rat by unilateral carotid artery occlusion and elevated intracranial pressure: hemodynamic and biochemical characterization. <b>1985</b> , 16, 466-76	29
1609	Subcortical changes in the regional uptake of [3H]-2-deoxyglucose in the brain of the monkey during experimental choreiform dyskinesia elicited by injection of a gamma-aminobutyric acid antagonist into the subthalamic nucleus. <b>1985</b> , 108 ( Pt 2), 405-22	76
1608	Mechanisms and Physiologic Significance of Microwave Action on the Auditory System. <b>1985</b> , 4, 495-526	9
1607	Subcortical dementia. Frontal cortex hypometabolism detected by positron tomography in patients with progressive supranuclear palsy. <b>1985</b> , 108 ( Pt 3), 785-99	214
1606	A method to quantify glucose utilization in vivo in skeletal muscle and white adipose tissue of the anaesthetized rat. <b>1985</b> , 228, 103-10	330
1605	Differential effects of electrical stimulation of sciatic nerve on metabolic activity in spinal cord and dorsal root ganglion in the rat. <b>1985</b> , 82, 6010-3	281

1604	Correlation of local cerebral blood flow, glucose utilization, and tissue pH following a middle cerebral artery occlusion in the rat. <b>1985</b> , 16, 828-34	63
1603	Regional cerebral blood flow, glucose metabolism, protein synthesis, serum protein extravasation, and content of biochemical substrates in stroke-prone spontaneously hypertensive rats. <b>1985</b> , 16, 841-5	18
1602	Positron emission tomography and its application to the study of cerebrovascular disease in man. <b>1985</b> , 16, 361-76	201
1601	Neural plasticity and recovery of function after brain injury. <b>1985</b> , 26, 201-47	36
1600	Functional reactivation of the deafferented hippocampus by embryonic septal grafts as assessed by measurements of local glucose utilization. <b>1985</b> , 58, 570-9	37
1599	A quantitative [14C]-2-deoxy-D-glucose study of brain stem nuclei during horizontal nystagmus induced by lesioning the lateral crista ampullaris of the rat. <b>1985</b> , 60, 227-34	8
1598	Experimental studies on myocardial glucose metabolism of rats with 18F-2-fluoro-2-deoxy-D-glucose. <b>1985</b> , 10, 341-5	22
1597	11C-2-deoxy-D-glucose: synthesis and preliminary comparison with 11C-D-glucose as a tracer for cerebral energy metabolism in PET studies. <b>1985</b> , 10, 481-6	9
1596	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). <b>1985</b> , 11, 97-106	22
1595	Acoustic key stimulus alters 3H-2-deoxyglucose uptake in the brain of the frog Phyllobates tricolor. <b>1985</b> , 72, 543-545	3
1594	Regional glucose utilization and blood flow in experimental brain tumors studied by double tracer autoradiography. <b>1985</b> , 3, 271-83	10
1593	Redistribution of glucose uptake by chronic exercise, measured in isolated perfused rat hearts. <b>1985</b> , 403, 296-300	10
1592	Functional organization of the avian auditory field L. <b>1985</b> , 156, 1-12	54
1591	Mapping of brain activity in mesencephalic and diencephalic structures of toads during presentation of visual key stimuli: a computer assisted analysis of (14C)2DG autoradiographs. <b>1985</b> , 156, 433-445	46
1590	Unidirectional influx and phosphorylation of glucose analogues in cultured astroblasts. <b>1985</b> , 10, 147-61	3
1589	Oxidative metabolism and acetylcholine synthesis during acetylpyridine treatment. <b>1985</b> , 10, 453-67	10
1588	Positron emission tomography. Progress in brain imaging. <b>1985</b> , 317, 574-6	15
1587	Determinants of deoxyglucose uptake in cultured astrocytes: the role of the sodium pump. <i>Journal of Neurochemistry</i> , <b>1985</b> , 44, 473-9	83

1586	Metabolic fluxes between [14C]2-deoxy-D-glucose and [14C]2-deoxy-D-glucose-6-phosphate in brain in vivo. <i>Journal of Neurochemistry</i> , <b>1985</b> , 44, 567-73	48
1585	Multiparametric imaging of blood flow and metabolism after middle cerebral artery occlusion in cats. <b>1985</b> , 5, 97-107	86
1584	Quantification of glucose utilization in an experimental brain tumor model by the deoxyglucose method. <b>1985</b> , 5, 108-14	25
1583	Estimation of local cerebral glucose utilization by positron emission tomography of [18F]2-fluoro-2-deoxy-D-glucose: a critical appraisal of optimization procedures. <b>1985</b> , 5, 115-25	165
1582	Alternative statistical models for the examination of clinical positron emission tomography/fluorodeoxyglucose data. <b>1985</b> , 5, 142-50	80
1581	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. <b>1985</b> , 5, 163-78	156
1580	Glucose metabolic rate kinetic model parameter determination in humans: the lumped constants and rate constants for [18F]fluorodeoxyglucose and [11C]deoxyglucose. <b>1985</b> , 5, 179-92	373
1579	Positron emission tomography in schizophrenic patients with and without neuroleptic medication. <b>1985</b> , 5, 201-6	152
1578	Regional flow-metabolism couple following middle cerebral artery occlusion in cats. <b>1985</b> , 5, 241-52	51
1577	Effect of iodoacetate on local cerebral blood flow and glucose metabolism in cats: a double-radionuclide autoradiographic study. <b>1985</b> , 5, 290-4	3
1576	Effect of the calcium antagonist nimodipine on local cerebral blood flow and metabolic coupling. <b>1985</b> , 5, 26-33	69
1575	Evaluation of a double-tracer autoradiographic technique for the measurement of both local cerebral glucose metabolism and local cerebral blood flow. <b>1985</b> , 5, 335-7	12
1574	In vivo measurement of regional brain and tumor pH using [14C]dimethyloxazolidinedione and quantitative autoradiography. <b>1985</b> , 5, 369-75	20
1573	Local cerebral glucose utilization in normal female rats: variations during the estrous cycle and comparison with males. <b>1985</b> , 5, 393-400	54
1572	Ischemic brain damage in rats following cardiac arrest using a long-term recovery model. <b>1985</b> , 5, 420-31	111
1571	Two-day starvation does not alter the kinetics of bloodbrain barrier transport and phosphorylation of glucose in rat brain. <b>1985</b> , 5, 40-6	28
1570	Serotonin depression of local cerebral glucose utilisation after monoamine oxidase inhibition. <b>1985</b> , 5, 473-5	14
1569	Low-cost microcomputer-based densitometer. <b>1985</b> , 5, 481-2	13

1568	Regional alterations in glucose consumption and metabolite levels during postischemic recovery in cat brain. <b>1985</b> , 5, 502-11	27
1567	Influence of gamma-hydroxybutyrate on the relationship between local cerebral glucose utilization and local cerebral blood flow in the rat brain. <b>1985</b> , 5, 58-64	43
1566	Graphical evaluation of blood-to-brain transfer constants from multiple-time uptake data. Generalizations. <b>1985</b> , 5, 584-90	1306
1565	An inexpensive microcomputer-based image-analysis system: novel applications to quantitative autoradiography. <b>1985</b> , 12, 265-75	27
1564	A cheap, calibrated photographic method for the screening of X-ray film autoradiographs. <b>1985</b> , 15, 95-100	2
1563	A chronic arterial and venous cannulation method for freely moving rats. <b>1985</b> , 13, 213-22	37
1562	Two methods for flat-mounting cortical tissue. <b>1985</b> , 15, 177-90	62
1561	A lesioning and 2-deoxyglucose study of the hyperactivity produced by an intra-accumbens dopamine agonist. <b>1985</b> , 331, 334-40	4
1560	Distribution of parvalbumin, cytochrome oxidase activity and 14C-2-deoxyglucose uptake in the brain of the zebra finch. <b>1985</b> , 240, 101-115	137
1559	Distribution of parvalbumin, cytochrome oxidase activity and 14C-2-deoxyglucose uptake in the brain of the zebra finch. <b>1985</b> , 240, 117-127	98
1558	The mechanism and rate of glucose transfer from male to female schistosomes. <b>1985</b> , 17, 131-41	30
1557	Positron emission tomography: Use of short-lived radionuclides for neurological research. <b>1985</b> , 10-11, 1072-1076	1
1556	Positron emission tomography of the heart. <b>1985</b> , 28, 165-94	63
1555	Apparent glucose utilization in Walker 256 metastatic brain tumors. <b>1985</b> , 3, 153-64	3
1554	Regional changes in transmitter amino acids during focal and generalized seizures in rats. <b>1985</b> , 63, 95-107	6
1553	Dopamine-receptor agonists: mechanisms underlying autoreceptor selectivity. I. Review of the evidence. <b>1985</b> , 62, 1-52	180
1552	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. <b>1985</b> , 185, 87-94	29
1551	Tomographic cerebral blood flow measurement using xenon inhalation and serial CT scanning: normal values and its validity. <b>1985</b> , 8, 27-33	16

1550	Effects of ganglioside GM1 treatment on striatal glucose metabolism, blood flow, and protein phosphorylation of the rat. <b>1985</b> , 125, 43-53	15
1549	Brain metabolism and human gaita PET study. <b>1985</b> , 125, 555-6	2
1548	Remote-controlled, photosynthetic preparation of HPLC-purified [11C]glucose. 1985, 36, 82-84	3
1547	High spatial resolution readout of 3-D metabolic organ structure: an automated, low-temperature redox ratio-scanning instrument. <b>1985</b> , 148, 389-400	90
1546	The deoxyglucose method adapted for studies of glucose metabolism in the early chick embryo. <b>1985</b> , 123, 111-6	2
1545	Bilateral cerebral metabolic alterations following lesion of the ventromedial thalamic nucleus: mapping by the 14C-deoxyglucose method in conscious rats. <b>1985</b> , 231, 137-49	37
1544	Afferent influences on brain stem auditory nuclei of the chicken: changes in succinate dehydrogenase activity following cochlea removal. <b>1985</b> , 231, 446-56	90
1543	Vibrissae tactile stimulation: (14C) 2-deoxyglucose uptake in rat brainstem, thalamus, and cortex. <b>1985</b> , 231, 457-72	46
1542	Acoustic chiasm II: Anatomical basis of binaurality in lateral superior olive of cat. <b>1985</b> , 232, 261-85	178
1541	Mapping increased glycogen phosphorylase activity in dorsal root ganglia and in the spinal cord following peripheral stimuli. <b>1985</b> , 234, 60-76	27
1540	Degeneration of thalamic neurons in "Purkinje cell degeneration" mutant mice. I. Distribution of neuron loss. <b>1985</b> , 234, 277-97	78
1539	Multiple vibrissae sensory regions in rat cerebellum: a (14C) 2-deoxyglucose study. <b>1985</b> , 234, 489-500	15
1538	Functional organization in cortical barrels of normal and vibrissae-damaged mice: a (3H) 2-deoxyglucose study. <b>1985</b> , 235, 97-110	50
1537	Local cerebral metabolic rate for glucose during petit mal absences. <b>1985</b> , 17, 121-8	111
1536	Basal ganglia glucose utilization after recent precentral ablation in the monkey. <b>1985</b> , 17, 431-8	38
1535	Regional glucose utilization and blood flow following graded forebrain ischemia in the rat: correlation with neuropathology. <b>1985</b> , 18, 470-81	89
1534	Muscle glucose metabolism in exercising rats: comparison with insulin stimulation. <b>1985</b> , 248, E575-80	32
1533	Dose-response curves for in vivo insulin sensitivity in individual tissues in rats. <b>1985</b> , 248, E353-62	203

1532	Quantitative in vivo receptor binding. II. Autoradiographic imaging of muscarinic cholinergic receptors. <b>1985</b> , 5, 2407-14	35
1531	Metabolic alterations in rat somatosensory cortex following unilateral vibrissal removal. <b>1985</b> , 5, 874-80	41
1530	Heterogeneity of insulin action in individual muscles in vivo: euglycemic clamp studies in rats. <b>1985</b> , 248, E567-74	147
1529	Cerebral glucose use measured with [14C]glucose labeled in the 1, 2, or 6 position. <b>1985</b> , 248, C170-6	157
1528	[14C]deoxyglucose incorporation into rat brain regions during hypothalamic or peripheral thermal stimulation. <b>1985</b> , 248, R84-92	7
1527	A Head Injury Animal Model: Physiological Studies of Mechanical Brain Injury in the Cat. <b>1985</b> , 1, 6-10	1
1526	Positron emission tomography in movement disorders. <b>1985</b> , 12, 6-10	8
1525	Functional and anatomic recovery in the monkey brain following excision of fetal encephalocele. <b>1985</b> , 12, 90-5	9
1524	Nonpulsatile cardiopulmonary bypass disrupts the flow-metabolism couple in the brain. <b>1985</b> , 90, 570-579	51
1523	2-Deoxyglucose Metabolism after Cortical Spreading Depression in the Rat Brain. <b>1985</b> , 5, 380-381	2
1522	Positron emission tomography in brain tumour imaging. <b>1985</b> , 29, 50-6	1
1521	Changes in Local Cerebral Glucose Utilization Induced by Electrical Stimulation of the Parafascicular and VPL Thalamic Nuclei in Rats. <b>1985</b> , 48, 172-174	1
1520	Reexamination of glucose-6-phosphatase activity in the brain in vivo: no evidence for a futile cycle. <b>1985</b> , 229, 60-2	71
1519	Monitoring the time course of cerebral deoxyglucose metabolism by 31P nuclear magnetic resonance spectroscopy. <b>1985</b> , 228, 1329-31	55
1518	Probing the chemistry of the mind. <b>1985</b> , 312, 44-6	6
1517	Diagnostic and therapeutic strategies in neuroradiology. The Mackenzie Davidson memorial lecture, February 1985. <b>1985</b> , 58, 1149-63	3
1516	The fetal neural tube: is intervention progress?. <b>1985</b> , 40 Suppl 1, 53-7	2
1515	Effects of ageing on local rates of cerebral protein synthesis in Sprague-Dawley rats. <b>1985</b> , 108 ( Pt 1), 155-70	72

1514	Beagle puppy model of perinatal cerebral infarction. Acute changes in cerebral blood flow and metabolism during hemorrhagic hypotension. <b>1985</b> , 63, 441-7	29
1513	Role of vascular factors in regional ischemic injury. <b>1985</b> , 63, 19-27	8
1512	The therapeutic effects of drugs in injured central nervous system. <b>1985</b> , 2, 93-8	1
1511	Positron emission computed tomography. <b>1985</b> , 240-270	1
1510	Time dependence of insulin action in muscle and adipose tissue in the rat in vivo. An increasing response in adipose tissue with time. <b>1985</b> , 34, 1049-54	39
1509	Rejoinder. <b>1985</b> , 80, 34-37	2
1508	Positron emission tomography with [18F]fluorodeoxyglucose differentiates normal pressure hydrocephalus from Alzheimer-type dementia. <b>1985</b> , 48, 1091-6	76
1507	A deoxyglucose study on auditory responses in the bat Rhinolophus rouxi. <b>1985</b> , 15, 677-81	3
1506	Elevated glucose utilization in the subfornical organ during dehydration. 1985, 15, 99-104	9
	Cerebral metabolic rates for glucose in mood disorders. Studies with positron emission	
1505	tomography and fluorodeoxyglucose F 18. <b>1985</b> , 42, 441-7	496
		105
	tomography and fluorodeoxyglucose F 18. <b>1985</b> , 42, 441-7	
1504	tomography and fluorodeoxyglucose F 18. <b>1985</b> , 42, 441-7  The Neurobiology of Motivation and Reward. <b>1985</b> ,  Especial considerations for neurotoxicological research. <b>1985</b> , 14, 381-402	
1504 1503	tomography and fluorodeoxyglucose F 18. <b>1985</b> , 42, 441-7  The Neurobiology of Motivation and Reward. <b>1985</b> ,  Especial considerations for neurotoxicological research. <b>1985</b> , 14, 381-402  Changes in local cerebral glucose utilization induced by convulsants. <b>1985</b> , 14, 823-35	105 7
1504 1503 1502	tomography and fluorodeoxyglucose F 18. <b>1985</b> , 42, 441-7  The Neurobiology of Motivation and Reward. <b>1985</b> ,  Especial considerations for neurotoxicological research. <b>1985</b> , 14, 381-402  Changes in local cerebral glucose utilization induced by convulsants. <b>1985</b> , 14, 823-35	<ul><li>105</li><li>7</li><li>68</li></ul>
1504 1503 1502	tomography and fluorodeoxyglucose F 18. 1985, 42, 441-7  The Neurobiology of Motivation and Reward. 1985,  Especial considerations for neurotoxicological research. 1985, 14, 381-402  Changes in local cerebral glucose utilization induced by convulsants. 1985, 14, 823-35  Diagnosis of temporal lobe epilepsy by positron emission tomography. 1985, 39, 251-6	<ul><li>105</li><li>7</li><li>68</li></ul>
1504 1503 1502 1501	tomography and fluorodeoxyglucose F 18. 1985, 42, 441-7  The Neurobiology of Motivation and Reward. 1985,  Especial considerations for neurotoxicological research. 1985, 14, 381-402  Changes in local cerebral glucose utilization induced by convulsants. 1985, 14, 823-35  Diagnosis of temporal lobe epilepsy by positron emission tomography. 1985, 39, 251-6  Kindling. 1985, 39, 415-426	<ul><li>105</li><li>7</li><li>68</li></ul>

Cholecystokinin Octapeptide's Effect on Local Cerebral Glucose Utilization in the Laboratory Rat. **1985**, 448, 663-665

Human cerebral metabolism: studies in normal subjects and patients with dementia and amnesia.  1495 1985, 444, 269-86	7
Positron computed tomography and its applications in the young. <b>1985</b> , 5, 140S-149S	4
1493 An electrochemical approach to sleep metabolism: a pO2 paradoxical sleep system. <b>1985</b> , 34, 355-8	9
Quantitative receptor mapping by autoradiography: some current technical problems. <b>1985</b> , 8, 49-53	159
Current assumptions behind the use of PET scanning for measuring glucose utilization in brain. $^{1491}$ <b>1985</b> , 8, 96-99	17
1490 Dots, stripes and columns in monkey visual cortex. <b>1985</b> , 8, 406-410	80
1489 Autoradiographic demonstration of deoxyglucose uptake in guinea pig cochlea. <b>1985</b> , 12, 1-4	6
Differential effects of chronic dehydration on protein synthesis in neurons of the rat hypothalamus. <b>1985</b> , 62, 13-8	13
Selective metabolic stimulation of the subfornical organ and pituitary neural lobe by peripheral angiotensin II. <b>1985</b> , 6 Suppl 1, 145-52	30
Localization of methadone in the brain of young rats by computer-assisted autoradiography. <b>1985</b> , 3, 1-19	6
In vitro estimation of the rate of hexose phosphorylation, by sequential pulsing with [3H]- and $[1485]$ [14C]2-deoxy-D-glucose. <b>1985</b> , 82, 25-8	1
Local cerebral metabolic effects induced by nigral stimulation following ventromedial thalamic lesions. II: Sensory motor, reticular and limbic systems. <b>1985</b> , 14, 287-96	9
1483 Local cerebral glucose utilization in the homozygous Brattleboro rat. <b>1985</b> , 58, 171-6	2
Alzheimer's disease: anterior-posterior and lateral hemispheric alterations in cortical glucose utilization. <b>1985</b> , 53, 235-40	165
Modulation of brain development by morphine: effects on central motor systems and behavior. <b>1985</b> , 6 Suppl 2, 29-34	36
Regional brain uptake of 2-deoxyglucose in N-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP)-induced parkinsonism in the macaque monkey. <b>1985</b> , 24, 587-91	114
Pure cortical ischemia versus striatal ischemia. Circulatory, metabolic, and neuropathologic consequences. <b>1985</b> , 24, 47-51	64

1478	Regional comparisons of brain glucose influx. <b>1985</b> , 326, 299-305	89
1477	Effects of lateral habenular lesions on local cerebral glucose utilization in the rat. <b>1985</b> , 337, 245-54	19
1476	Spinal cord metabolism of the 1-methyl-4-phenyl-1,2,3, 6-tetrahydropyridine-treated monkey. <b>1985</b> , 337, 263-8	5
1475	Common neural mechanisms in experimental chorea and hemiballismus in the monkey. Evidence from 2-deoxyglucose autoradiography. <b>1985</b> , 339, 346-50	66
1474	Arecoline-induced elevations of regional cerebral metabolism in the conscious rat. <b>1985</b> , 347, 205-16	53
1473	Metabolic activation of specific postsynaptic elements in superior cervical ganglion by antidromic stimulation of external carotid nerve. <b>1985</b> , 334, 330-4	12
1472	Effect of locus coeruleus stimulation on regional cerebral oxygen consumption in the cat. <b>1985</b> , 325, 107-14	13
1471	Dose effects of naloxone on fixed morphine dependence: simultaneous behavioral and 2-deoxyglucose study in the rat. <b>1985</b> , 332, 69-78	23
1470	A magnetic device to stimulate selected whiskers of freely moving or restrained small rodents: its application in a deoxyglucose study. <b>1985</b> , 348, 229-40	79
1469	[1-14C]Octanoate: a fast functional marker of brain activity. <b>1985</b> , 335, 326-9	18
1468	Reticular nucleus of rat thalamus is metabolically activated during trained forelimb movements. <b>1985</b> , 332, 380-5	5
1467	High-resolution 2-deoxyglucose autoradiography in quick-frozen slabs of neonatal rat olfactory bulb. <b>1985</b> , 339, 67-78	49
1466	Effect of pentobarbital anesthesia on regional cerebral metabolic rate for glucose during hyperbaric oxygenation in rat. <b>1985</b> , 336, 350-3	2
1465	Alterations of local cerebral glucose utilization during chronic dehydration in rats. <b>1985</b> , 330, 329-36	41
1464	Effects of water deprivation and deamino [8-D-arginine] vasopressin on [14C]2-deoxyglucose uptake by the hypothalamo-hypophysial system in mice with hereditary nephrogenic diabetes insipidus. <b>1985</b> , 340, 297-303	3
1463	Changes in the local cerebral metabolic rate for glucose in the 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) primate model of Parkinson's disease. <b>1985</b> , 358, 137-43	53
1462	Widespread reductions in cerebral blood flow and metabolism elicited by electrical stimulation of the parabrachial nucleus in rat. <b>1985</b> , 341, 283-96	51
1461	Time-course and regional distribution of the metabolic effects of bromocriptine in the rat brain. 1985, 341, 303-12	43

1460	A [14C]2-deoxyglucose analysis of the functional neural pathways of the limbic forebrain in the rat. V. The septal area. <b>1985</b> , 346, 89-107	15
1459	Metabolic labeling associated with index finger stimulation in monkey SI: between animal variability. <b>1985</b> , 342, 242-51	26
1458	Local cerebral glucose utilization in the free moving mouse: a comparison during two stages of the activity-rest cycle. <b>1985</b> , 342, 297-306	38
1457	Altered local cerebral glucose utilization by unilateral frontal cortical ablations in rats. <b>1985</b> , 343, 8-15	18
1456	Ascending reticular activating system in the rat: a 2-deoxyglucose study. 1985, 344, 70-88	77
1455	Functional mapping of limbic seizures originating in the hippocampus: a combined 2-deoxyglucose and electrophysiologic study. <b>1985</b> , 360, 92-100	96
1454	A sequential double-label autoradiographic method that quantifies altered rates of regional glucose metabolism. <b>1985</b> , 361, 217-24	21
1453	Specific changes in local cerebral glucose utilization in the rat brain induced by acute and chronic diazepam. <b>1985</b> , 359, 49-56	46
1452	Effects of sensory deafferentation on glucose metabolism of muscles during locomotion. <b>1985</b> , 327, 316-8	1
1451	Combined electrophysiological and autoradiographic delimitation of retrocochlear dysfunction in a mouse mutant. <b>1985</b> , 331, 217-23	9
1450	Reduced metabolic response of the rat brain to haloperidol after chronic treatment. <b>1985</b> , 337, 1-9	29
1449	Inhibition of sexual receptivity by anesthesia during estrogen priming. <b>1985</b> , 337, 163-6	28
1448	Decrease in cerebral blood flow in rats after experimental subarachnoid hemorrhage: a new animal model. <b>1985</b> , 16, 58-64	183
1447	Uptake of [3H]2-deoxy-D-glucose and [3H]dopamine in adrenal chromaffin cells of the mouse. <b>1985</b> , 14, 151-6	2
1446	In vivo dose response curves of insulin action in heart: anomalous effects at high insulin doses. <b>1985</b> , 17, 981-5	14
1445	The locus coeruleus and cerebral metabolism: Recovery of function after cortical injury. <b>1985</b> , 13, 197-203	79
1444	Positron emission tomography: New analytic tool for vascular disease. <b>1985</b> , 2, 360-366	3
1443	Modulation of uncoupler-induced sugar uptake in isolated adult rat heart cells by isoproterenol. <b>1985</b> , 239, 191-9	4

1442	Positron emission tomography in oncologythe Massachusetts General Hospital experience. <b>1985</b> , 15, 201-9	9
1441	Blood flow and glucose consumption in the optic nerve, retina and brain: effects of high intraocular pressure. <b>1985</b> , 41, 639-53	59
1440	2-Deoxyglucose uptake in the central nervous system during systemic hypercapnia in the peripherally chemodenervated rat. <b>1985</b> , 88, 673-87	6
1439	Depression and recovery of metabolic activity in rat visual system after eye removal. <b>1985</b> , 89, 322-36	27
1438	Increased dependence of superior colliculus metabolic activity on visual cortex after eye enucleation. <b>1985</b> , 90, 594-600	18
1437	Topography of brain metabolites: rhesus monkey, goat, and cat. <b>1985</b> , 89, 146-58	16
1436	Distribution of cerebral metabolic effects of nicotine in the rat. <b>1985</b> , 110, 391-2	47
1435	Effects on mitochondrial metabolism of CCA, one inducer of neuroblastoma differentiation. <b>1986</b> , 140, 789-96	7
1434	An examination of the in vivo distribution of brain hexokinase between the cytosol and the outer mitochondrial membrane. <b>1986</b> , 248, 253-71	11
1433	Time action profiles of regional cerebral glucose utilization during naloxone-precipitated morphine withdrawal. <b>1986</b> , 399, 181-4	12
1432	Functional mapping of the effects of lesions of the habenular nuclei and their afferents in the rat. <b>1986</b> , 397, 265-78	14
1431	Correlation between behavioral status and cerebral glucose utilization in rats following freezing lesion. <b>1986</b> , 397, 27-36	51
1430	Preferential blood flow to brainstem during generalized seizures in the newborn marmoset monkey. <b>1986</b> , 397, 61-72	22
1429	Spinal cord metabolic response to noxious radiant heat stimulation of the cat hind footpad. <b>1986</b> , 385, 143-7	21
1428	Metabolic anatomy of generalized bicuculline seizures in the newborn marmoset monkey. <b>1986</b> , 94, 213-27	8
1427	Comparative effects of acute and chronic administration of caffeine on local cerebral glucose utilization in the conscious rat. <b>1986</b> , 129, 93-103	28
1426	Effects of the indirect dopaminomimetic diethylpemoline on local cerebral glucose utilization and local cerebral blood flow in the conscious rat. <b>1986</b> , 125, 437-47	12
1425	Positron emission tomography imaging of regional cerebral glucose metabolism. <b>1986</b> , 16, 2-34	93

1424	Function of the ventrolateral medulla in the control of the circulation. <b>1986</b> , 396, 359-91	309
1423	Imaging neurotransmitters and their receptors in living human brain by positron emission tomography. <b>1986</b> , 9, 241-245	11
1422	Neuroimaging. <b>1986</b> , 9, 525-529	15
1421	Arousal enhances [14C]2-deoxyglucose uptake in four forebrain areas of the zebra finch. <b>1986</b> , 21, 215-21	39
1420	Influence of an extract of Ginkgo biloba on cerebral blood flow and metabolism. <b>1986</b> , 39, 2327-34	90
1419	Changes in [14C]deoxyglucose incorporation into rat brain regions during heat-seeking behavior in the cold environment. <b>1986</b> , 38, 275-82	8
1418	Heat produced by the dark-adapted bullfrog retina in response to light pulses. <b>1986</b> , 50, 285-93	15
1417	POSTER COMMUNICATIONS. 1986, 89, 804P-880P	
1416	Epileptic seizures and [14C] deoxyglucose autoradiography. <b>1986</b> , 40, 369-70	
1415	Cerebral blood flow and metabolic rate during seizures. Relationship to epileptic brain damage. <b>1986</b> , 462, 194-206	127
1414	Positron emission tomography and autoradiographic studies of glucose utilization following electroconvulsive seizures in humans and rats. <b>1986</b> , 462, 263-9	59
1413	Regression model for predicting dissociations of regional cerebral glucose metabolism in individuals at risk for Huntington's disease. <b>1986</b> , 6, 756-62	17
1412	Neural mechanisms mediating 1-methyl-4-phenyl-1,2,3, 6-tetrahydropyridine-induced parkinsonism in the monkey: relative contributions of the striatopallidal and striatonigral pathways as suggested by 2-deoxyglucose uptake. <b>1986</b> , 63, 61-5	67
1411	Apomorphine and haloperidol effects on striatal 3H-dopamine release in anesthetized, awake restrained and freely moving rats. <b>1986</b> , 16, 161-6	37
1410	Rat middle cerebral artery occlusion: evaluation of the model and development of a neurologic examination. <b>1986</b> , 17, 472-6	2153
1409	Metabolic imaging in hemianopsia using positron emission tomography with 18F-deoxyfluoroglucose. <b>1986</b> , 101, 310-9	15
1408	The effect of diazepam upon local cerebral glucose use in the conscious rat. <b>1986</b> , 19, 257-65	37
1407	An amperometric enzyme electrode for monitoring brain glucose in the freely moving rat. <b>1986</b> , 72, 283-8	63

1406	Temporal effects of habenular lesions on glucose utilization in the anterior raph[huclei of the rat. 1986, 67, 245-50	3
1405	Antemortem markers of Alzheimer's disease. <b>1986</b> , 7, 367-407	61
1404	Effects of L-cocaine on local cerebral glucose utilization in the rat. <b>1986</b> , 68, 73-8	61
1403	Cerebral metabolism as measured with positron emission tomography (PET) and [18F] 2-deoxy-D-glucose: healthy aging, Alzheimer's disease and Down syndrome. <b>1986</b> , 10, 309-21	29
1402	Differential metabolic activity in the brain during deep halothane anesthesia. A qualitative study using [3H]deoxyglucose. <b>1986</b> , 71, 1-6	8
1401	Metabolism of 2-[18F]fluoro-2-deoxyglucose in tumor-bearing rats: chromatographic and enzymatic studies. <b>1986</b> , 13, 577-81	8
1400	Positron emission tomography and the possible origins of cytopathology in Alzheimer's disease. <b>1986</b> , 10, 501-18	9
1399	Regional cerebral glucose metabolic rate during thirty minutes hypoxia of 7% oxygen in adult conscious rats. <b>1986</b> , 65, 253-8	11
1398	High resolution autoradiographic determination of the topographic distribution of radioactivity in the hippocampal formation after injection of [1-14C]glucose or 2-deoxy[14C]glucose. <b>1986</b> , 17, 99-106	28
1397	Effects of prolonged co-dergocrine mesylate (Hydergine) treatment on local cerebral glucose uptake in aged Fischer 344 rats. <b>1986</b> , 5, 65-77	13
1396	Resting and high-frequency evoked 2-deoxyglucose uptake in the rat inferior colliculus: developmental changes and effects of short-term conduction blockade. <b>1986</b> , 392, 127-37	25
1395	Odor specificity of the enhanced neural response following early odor experience in rats. <b>1986</b> , 392, 191-7	59
1394	Effects of barbiturates on energy metabolism by cultured astrocytes and neurons in the presence of normal and elevated concentrations of potassium. <b>1986</b> , 25, 533-9	22
1393	The central visual system. <b>1986</b> , 26, 1351-86	83
1392	The effects of tifluadom and ketazocine on behaviour, dopamine turnover in the basal ganglia and local cerebral glucose utilization of rats. <b>1986</b> , 381, 327-35	13
1391	Rhythm of suprachiasmatic nucleus 2-deoxyglucose uptake in vitro. <b>1986</b> , 381, 345-50	57
1390	Local cerebral glucose utilization in the adult cretinous rat. <b>1986</b> , 373, 139-45	32
1389	Enhanced neural response by adult rats to odors experienced early in life. <b>1986</b> , 371, 400-3	76

1388	Uncoupling of cerebral blood flow and metabolism after single episode of cortical spreading depression in the rat brain. <b>1986</b> , 370, 405-8	34
1387	The pattern of functional coupling of brain regions in the awake rat. <b>1986</b> , 369, 1-11	44
1386	Activation of brain regions of rats during fever. <b>1986</b> , 381, 100-5	12
1385	Cerebral and local cerebral metabolism in the cat during slow wave and REM sleep. <b>1986</b> , 365, 112-24	71
1384	The effects of L-DOPA on regional cerebral glucose utilization in rats with unilateral lesions of the substantia nigra. <b>1986</b> , 379, 264-74	71
1383	Effects of sigma agonist compounds on local cerebral glucose utilization: relationship to psychotomimetic properties. <b>1986</b> , 376, 190-3	7
1382	Classical conditioning of tone-signaled bradycardia modifies 2-deoxyglucose uptake patterns in cortex, thalamus, habenula, caudate-putamen and hippocampal formation. <b>1986</b> , 363, 239-56	72
1381	The effect of analgesic doses of morphine on regional cerebral glucose metabolism in pain-related structures. <b>1986</b> , 368, 170-3	11
1380	Alterations in perfused capillary morphometry in awake vs anesthetized brain. 1986, 377, 105-11	38
1379	Cerebral 2-deoxyglucose uptake in rats during ethanol withdrawal and postwithdrawal. <b>1986</b> , 366, 1-9	39
1378	Effects of rapid eye movement sleep deprivation on regional brain metabolism as measured by 2-[14C]deoxyglucose autoradiography. <b>1986</b> , 45, 71-80	5
1377	Glucose modulation of memory storage processing. <b>1986</b> , 45, 342-9	220
1376	Functional activity in the brain of socially deprivated rats produced by an active avoidance test after razobazam (Hoe 175) treatment: a 2-deoxyglucose study. <b>1986</b> , 46, 398-409	7
1375	Energy supply of the central nervous system. <b>1986</b> , 38, 1-26	5
1374	Radioactive 2-Deoxyglucose Uptake into the Brain of Monkey during Intracranial Self-stimulation. <b>1986</b> , 393-403	
1373	Brain imaging in Alzheimer's disease. <b>1986</b> , 42, 24-8	33
1372	Two neural mechanisms in rat fastigial nucleus regulating systemic and cerebral circulation. <b>1986</b> , 251, H153-63	3
1371	Interdependency of local capillary density, blood flow, and metabolism in rat brains. <b>1986</b> , 251, H1333-40	68

1370	Functional metabolic mapping during forelimb movement in rat. I. Stimulation of motor cortex. <b>1986</b> , 6, 448-62	42
1369	Effect of monensin on deoxyglucose uptake in cultured astrocytes: energy metabolism is coupled to sodium entry. <b>1986</b> , 6, 859-66	51
1368	Heterogeneity of insulin action in muscle: influence of blood flow. <b>1986</b> , 251, E422-30	27
1367	Multiple tracer dilution estimates of D- and 2-deoxy-D-glucose uptake by the heart. <b>1986</b> , 250, H29-42	55
1366	Positron Emission Tomography. <b>1986</b> , 9, 63-79	5
1365	Neuroimaging. <b>1986</b> , 4, 645-668	6
1364	Methoden zur Durchblutungsmessung im Gehirn. <b>1986</b> , 35-58	
1363	Validity of Ewald's law in the horizontal semicircular canals and the vestibular nuclei: electron microscopic observation and quantitative [14C]-2-deoxy-D-glucose study. <b>1986</b> , 150, 467-74	
1362	Vagal afferent innervation of the gastrointestinal tract. <b>1986</b> , 67, 65-86	97
1361	PET scanning: can it help resolve management issues in cerebral ischemic disease?. <b>1986</b> , 17, 803-7	6
1360	Mechanisms of Transmitter Action in the Vertebrate Central Nervous System. <b>1986</b> , 1-114	1
1359	Quantification in vivo of the effects of insulin on glucose utilization in individual tissues of warmand cold-acclimated rats. <b>1986</b> , 237, 789-95	34
1358	An investigation of arterial insufficiency in the rat hindlimb. Correlation of skeletal muscle bloodflow and glucose utilization in vivo. <b>1986</b> , 240, 395-401	11
1357	Ventilation and Brain Metabolism. <b>1986</b> , 141-161	
1356	Glucose uptake in brain during withdrawal from ethanol, phenobarbital, and diazepam. <b>1986</b> , 10, 233-6	9
1355	Metabolic and neurophysiologic sequelae of brain injury: a cholinergic hypothesis. <b>1986</b> , 3, 163-73	17
1354	Glycolytic inhibition by 2-deoxyglucose reduces hyperglycemia-associated mortality and morbidity in the ischemic rat. <b>1986</b> , 17, 989-94	34
1353	Effect of the ganglioside GM1, on cerebral metabolism, microcirculation, recovery kinetics of ECoG and histology, during the recovery period following focal ischemia in cats. <b>1986</b> , 17, 1170-8	58

1352	Neuronal Basis of Behavioral State Control. <b>1986</b> , 701-823	9
1351	Cerebral glucose metabolism during the recovery period after ischemiaits relationship to NADH-fluorescence, blood flow, EcoG and histology. <b>1986</b> , 17, 994-1004	30
1350	Chemie von Herz und Hirn von außen betrachtet. <b>1986</b> , 34, 1057-1065	
1349	Pentoxifylline: cerebral blood flow and glucose utilization in conscious spontaneously hypertensive rats. <b>1986</b> , 17, 744-7	18
1348	Regional cerebral blood flow in awake beagles of different ages. <b>1986</b> , 109 ( Pt 4), 771-84	2
1347	Symposium on imaging research in alcoholism. Introduction to the symposium. <b>1986</b> , 10, 223-5	1
1346	Assessment of alcoholism-related organic brain syndromes with positron emission tomography. <b>1986</b> , 10, 237-40	8
1345	Double-labeled metabolic maps of memory. <b>1986</b> , 233, 1167-75	66
1344	A semi-automated system for quantitative densitometry of autoradiographs. <b>1986</b> , 16, 135-44	28
1343	2-deoxy-D-glucose metabolism in individual tissues of the rat in vivo. <b>1986</b> , 18, 311-8	42
1343	2-deoxy-D-glucose metabolism in individual tissues of the rat in vivo. 1986, 18, 311-8  Slowly progressive aphasia without generalized dementia: studies with positron emission tomography. 1986, 19, 68-74	146
1342	Slowly progressive aphasia without generalized dementia: studies with positron emission	
1342	Slowly progressive aphasia without generalized dementia: studies with positron emission tomography. <b>1986</b> , 19, 68-74	146
1342	Slowly progressive aphasia without generalized dementia: studies with positron emission tomography. 1986, 19, 68-74  Acute high-dose methotrexate neurotoxicity in the rat. 1986, 20, 583-9	146 32
1342 1341 1340	Slowly progressive aphasia without generalized dementia: studies with positron emission tomography. 1986, 19, 68-74  Acute high-dose methotrexate neurotoxicity in the rat. 1986, 20, 583-9  Transient stimulation of glucose metabolism by insulin in the 1-day chick embryo. 1986, 127, 288-92	146 32
1342 1341 1340	Slowly progressive aphasia without generalized dementia: studies with positron emission tomography. 1986, 19, 68-74  Acute high-dose methotrexate neurotoxicity in the rat. 1986, 20, 583-9  Transient stimulation of glucose metabolism by insulin in the 1-day chick embryo. 1986, 127, 288-92  Brain imaging techniques for diagnosis and drugs against schizophrenia. 1986, 9, 53-62  Stimulation-induced [14C]2-deoxyglucose labeling of synaptic activity in the central auditory	146 32 11
1342 1341 1340 1339	Slowly progressive aphasia without generalized dementia: studies with positron emission tomography. 1986, 19, 68-74  Acute high-dose methotrexate neurotoxicity in the rat. 1986, 20, 583-9  Transient stimulation of glucose metabolism by insulin in the 1-day chick embryo. 1986, 127, 288-92  Brain imaging techniques for diagnosis and drugs against schizophrenia. 1986, 9, 53-62  Stimulation-induced [14C]2-deoxyglucose labeling of synaptic activity in the central auditory system. 1986, 245, 553-65  Mapping of an olfactory receptor population that projects to a specific region in the rat olfactory	146 32 11

1334	Potential of NMR and PET for determining tumor metabolism. <b>1986</b> , 12, 1033-9	8
1333	The use of positron emission tomography in pion radiotherapy. <b>1986</b> , 12, 1867-71	10
1332	A synthesis of 2-deoxy-d-arabino-hexitol and its oxidation to 5-deoxy-d-hreo-hexulose (B-deoxy-d-fructose) using immobilized cells of Gluconobacter oxydans. <b>1986</b> , 156, 19-24	9
1331	Stress and local cerebral blood flow: studies on restrained and unrestrained rats. <b>1986</b> , 63, 163-8	18
1330	Single vibrissal cortical column in the mouse labeled with 2-deoxyglucose. <b>1986</b> , 63, 607-19	59
1329	Tonotopic organization in the inferior colliculus of the rat demonstrated with the 2-deoxyglucose method. <b>1986</b> , 61, 506-12	50
1328	Effects of monocular deprivation in the nucleus rotundus of zebra finches: a Nissl and deoxyglucose study. <b>1986</b> , 64, 119-26	11
1327	Features of positron emission tomography as a probe for myocardial chemistry. <b>1986</b> , 12 Suppl, S2-10	4
1326	Regional metabolism of experimental brain tumors. <b>1986</b> , 69, 139-47	69
1325	Regional distribution of glucose utilization in the telencephalon of toads in response to configurational visual stimuli: a14C-2DG study. <b>1986</b> , 158, 457-467	61
1324	Influence of mating on surface nutrient exchange in schistosomes. <b>1986</b> , 12, 1777-96	9
1323	Local cerebral glucose utilization during intracerebral pH changes. <b>1986</b> , 6, 584-9	11
1322	Subarachnoid hemorrhage in the rat: cerebral blood flow and glucose metabolism during the late phase of cerebral vasospasm. <b>1986</b> , 6, 590-9	45
1321	Subarachnoid hemorrhage in the rat: cerebral blood flow and glucose metabolism after selective lesions of the catecholamine systems in the brainstem. <b>1986</b> , 6, 600-6	37
1320	High-performance digital image analyzer for quantitative autoradiography. <b>1986</b> , 6, 625-9	20
1319	Cerebral acidosis in focal ischemia: I. A method for the simultaneous measurement of local cerebral pH with cerebral glucose utilization or cerebral blood flow in the rat. <b>1986</b> , 6, 667-75	12
1318	Studies on the relationship between cerebral glucose transport and phosphorylation using 2-deoxyglucose. <b>1986</b> , 6, 708-16	46
1317	Regional studies of blood-brain barrier transport of glucose and leucine in awake and anesthetized rats. <b>1986</b> , 6, 717-23	43

1316	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. <b>1986</b> , 6, 724-38	53
1315	Quantification of neuroreceptors in the living human brain. I. Irreversible binding of ligands. <b>1986</b> , 6, 137-46	234
1314	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. <b>1986</b> , 6, 170-83	168
1313	Photochemically induced cortical infarction in the rat. 2. Acute and subacute alterations in local glucose utilization. <b>1986</b> , 6, 195-202	60
1312	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. <b>1986</b> , 6, 230-9	47
1311	Simultaneous determination of local cerebral glucose utilization and blood flow by carbon-14 double-label autoradiography: method of procedure and validation studies in the rat. <b>1986</b> , 6, 273-85	28
1310	Effect of transient cerebral ischemia on metabolic activation of a somatosensory circuit. <b>1986</b> , 6, 405-13	43
1309	Focal ischemia of the rat brain: autoradiographic determination of cerebral glucose utilization, glucose content, and blood flow. <b>1986</b> , 6, 414-24	144
1308	In vivo measurement of regional brain and tumor pH using [14C]dimethyloxazolidinedione and quantitative autoradiography. II: Characterization of the extracellular fluid compartment using pH-sensitive microelectrodes and [14C]sucrose. <b>1986</b> , 6, 435-40	12
1307	Tomographic mapping of kinetic rate constants in the fluorodeoxyglucose model using dynamic positron emission tomography. <b>1986</b> , 6, 447-54	36
1306	Triple-tracer autoradiography of cerebral blood flow, glucose utilization, and protein synthesis in rat brain. <b>1986</b> , 6, 59-70	35
1305	Maximizing precision in quantitative autoradiographic determination of tissue tracer concentration using exposure optimization. <b>1986</b> , 6, 499-504	7
1304	Neuroreceptor assay with positron emission tomography: equilibrium versus dynamic approaches. <b>1986</b> , 6, 515-21	142
1303	Failure of glucose and branched-chain amino acids to normalize brain glucose use in portacaval shunted rats. <i>Journal of Neurochemistry</i> , <b>1986</b> , 47, 1434-43	17
1302	Distribution of the glucose transporter in the mammalian brain. <i>Journal of Neurochemistry</i> , <b>1986</b> , 46, 1406-11	63
1301	Blood-brain transfer of glucose and glucose analogs in newborn rats. <i>Journal of Neurochemistry</i> , <b>1986</b> , 46, 1417-28	79
1300	Local cerebral glucose utilisation following indoleamine- and piperazine-containing 5-hydroxytryptamine agonists. <i>Journal of Neurochemistry</i> , <b>1986</b> , 46, 117-24	37
1299	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. <i>Journal of Neurochemistry</i> , <b>1986</b> , 46, 198-201	54

1298	Apparent absence of a translocase in the cerebral glucose-6-phosphatase system. <i>Journal of Neurochemistry</i> , <b>1986</b> , 46, 371-8	6	34
1297	Invalidity of criticisms of the deoxyglucose method based on alleged glucose-6-phosphatase activity in brain. <i>Journal of Neurochemistry</i> , <b>1986</b> , 46, 905-19	6	65
1296	The lumped constant in the deoxyglucose procedure declines with age in Fischer-344 rats. <i>Journal of Neurochemistry</i> , <b>1986</b> , 46, 931-8	6	23
1295	Correlation of hexokinase content and basal energy metabolism in discrete regions of rat brain. Journal of Neurochemistry, <b>1986</b> , 46, 983-5	6	10
1294	Regional cerebral blood flow after occlusion of the middle cerebral artery. <b>1986</b> , 73, 321-37		68
1293	Regional glucose metabolism in the rabbit brain in control and TRH-treated animals. <b>1986</b> , 126, 349-53		21
1292	The neuropsychiatric manifestations of systemic lupus erythematosus: an overview. <b>1986</b> , 15, 185-99		117
1291	Positron emission tomography in neuropsychology. <b>1986</b> , 24, 141-9		26
1290	New radionuclides for cardiac imaging. <b>1986</b> , 28, 419-34		6
1289	Regional glucose and beta-hydroxybutyrate use by developing rat brain. <b>1986</b> , 1, 53-61		15
1288	Cerebral metabolic effects of organophosphorus anticholinesterase compounds. <b>1986</b> , 1, 147-56		20
1287	Differential effects of methylxanthines on local cerebral blood flow and glucose utilization in the conscious rat. <b>1986</b> , 333, 172-7		31
1286	Autoradiographic measurement of tritiated agmatine as an indicator of physiologic activity in Hermissenda visual and vestibular neurons. <b>1986</b> , 15, 629-43		24
1285	Deoxyglucose mapping of nervous activity induced inDrosophila brain by visual movement. <b>1986</b> , 158, 195-202		6
1284	Apparent glucose utilization in Walker 256 metastatic brain tumors. <b>1986</b> , 4, 5-16		6
1283	Neurotransmitter receptor mapping by autoradiography and other methods. <b>1986</b> , 9, 27-59		144
1282	Characterization of stages in development of obesity-diabetes syndrome in sand rat (Psammomys obesus). <b>1986</b> , 35, 717-24		77
1281	Maturational changes in cerebral function in infants determined by 18FDG positron emission tomography. <b>1986</b> , 231, 840-3		586

1280	Glucose utilization rates and insulin sensitivity in vivo in tissues of virgin and pregnant rats. <b>1986</b> , 35, 172-7	109
1279	Suppression of non-shivering thermogenesis in the rat by heat-seeking behaviour during cold exposure. <b>1986</b> , 380, 541-9	10
1278	Measurement of brain deoxyglucose metabolism by NMR. <b>1986</b> , 232, 776-7	15
1277	2-Deoxyglucose tissue levels and insulin levels following tolazamide dosing in normal and obese mice. <b>1986</b> , 87, 288-98	
1276	The control of sugar uptake by metabolic demand in isolated adult rat heart cells. <b>1986</b> , 58, 157-65	18
1275	Brainstem integration of cardiovascular and pulmonary afferent activity. <b>1986</b> , 67, 295-314	131
1274	Positron Emission Tomography in Dementia of the Alzheimer Type. <b>1986</b> , 146, 2045	4
1273	Regional brain function in schizophrenia. I. A positron emission tomography study. <b>1987</b> , 44, 119-25	176
1272	A new model of concussive brain injury in the cat produced by extradural fluid volume loading: I. Biomechanical properties. <b>1987</b> , 1, 73-91	39
1271	Neuroanatomy and physiology of aphasia: Evidence from positron emission tomography. <b>1987</b> , 1, 3-33	74
1270	Functional and anatomical brain imaging: impact on schizophrenia research. <b>1987</b> , 13, 115-32	85
1269	The Differential Diagnosis of Depression. <b>1987</b> , 258, 1368	44
1268	Hemodynamic and metabolic effects of cerebral revascularization. <b>1987</b> , 66, 529-35	54
1267	Response: do 15 million cat neurons mediate the memory of a circle and a star?. <b>1987</b> , 238, 1587-8	
1266	Reduced cerebral glucose metabolism in asymptomatic subjects at risk for Huntington's disease. <b>1987</b> , 316, 357-62	273
1265	SociffBelge De Physiologie Et De Pharmacologie Fondamentales Et Cliniques Belgische Genootschap Voor Fundamentele En Klinische Fysiologie En Farmakologie. <b>1987</b> , 95, P1-P62	
1264	Development of obesity in Zucker rats. Early insulin resistance in muscles but normal sensitivity in white adipose tissue. <b>1987</b> , 36, 626-31	123
1263	Analgesic Doses of Epidural Morphine Do Not Affect Local Glucose Utilization in the Spinal Cord in Rats. <b>1987</b> , 66, 1175???1179	1

1262	Topographical analysis of glucose metabolism, as measured with positron emission tomography, in dementia of the Alzheimer type: use of linear histograms. <b>1987</b> , 36, 89-97	11
1261	A new model of concussive brain injury in the cat produced by extradural fluid volume loading: II. Physiological and neuropathological observations. <b>1987</b> , 1, 93-112	58
1260	Proceedings of the Physiological Society, 19-20 June 1987, Glasgow Meeting: Communications. <b>1987</b> , 392, 24-83	
1259	Stimulatory effect of pentobarbital and some anesthetics on gastric secretion in the continuously perfused stomach in rats under urethane anesthesia. <b>1987</b> , 44, 63-9	8
1258	Circulatory and Metabolic Correlates of Brain Function in Normal Humans. 1987, 643-674	30
1257	Hyperglycaemia protects against neuronal injury around experimental brain infarcts. <b>1987</b> , 9, 241-4	27
1256	Neural Dysfunction During Hemineglect After Cortical Damage in Two Monkey Models. <b>1987</b> , 315-334	12
1255	Comparison of the effects of valproate, ethosuximide, phenytoin, and pentobarbital on cerebral energy metabolism in the rat. <b>1987</b> , 28, 160-8	15
1254	Early component changes in corticomotor evoked potentials following experimental stroke. <b>1987</b> , 18, 1141-7	1
1253	Cerebral metabolism in chronic ocular ischemia. <b>1987</b> , 195, 156-60	
1253 1252	Cerebral metabolism in chronic ocular ischemia. <b>1987</b> , 195, 156-60  Pentylenetetrazole-induced changes in cerebral energy metabolism in Tupaia glis. <b>1987</b> , 28, 184-9	13
		13
1252	Pentylenetetrazole-induced changes in cerebral energy metabolism in Tupaia glis. <b>1987</b> , 28, 184-9  Simultaneous in vivo measurement of lumped constant and rate constants in experimental cerebral	
1252 1251	Pentylenetetrazole-induced changes in cerebral energy metabolism in Tupaia glis. <b>1987</b> , 28, 184-9  Simultaneous in vivo measurement of lumped constant and rate constants in experimental cerebral ischemia using F-18 FDG. <b>1987</b> , 18, 158-67  Effect of barbiturate coma on glucose utilization in normal brain versus gliomas. Positron emission	22
1252 1251 1250	Pentylenetetrazole-induced changes in cerebral energy metabolism in Tupaia glis. 1987, 28, 184-9  Simultaneous in vivo measurement of lumped constant and rate constants in experimental cerebral ischemia using F-18 FDG. 1987, 18, 158-67  Effect of barbiturate coma on glucose utilization in normal brain versus gliomas. Positron emission tomography studies. 1987, 67, 71-5  Effects of antidromic stimulation of the ventral root on glucose utilization in the ventral horn of	32
1252 1251 1250 1249	Pentylenetetrazole-induced changes in cerebral energy metabolism in Tupaia glis. 1987, 28, 184-9  Simultaneous in vivo measurement of lumped constant and rate constants in experimental cerebral ischemia using F-18 FDG. 1987, 18, 158-67  Effect of barbiturate coma on glucose utilization in normal brain versus gliomas. Positron emission tomography studies. 1987, 67, 71-5  Effects of antidromic stimulation of the ventral root on glucose utilization in the ventral horn of the spinal cord in the rat. 1987, 84, 5492-5  Local cerebral metabolic effects of L-dopa therapy in	32 60
1252 1251 1250 1249	Pentylenetetrazole-induced changes in cerebral energy metabolism in Tupaia glis. 1987, 28, 184-9  Simultaneous in vivo measurement of lumped constant and rate constants in experimental cerebral ischemia using F-18 FDG. 1987, 18, 158-67  Effect of barbiturate coma on glucose utilization in normal brain versus gliomas. Positron emission tomography studies. 1987, 67, 71-5  Effects of antidromic stimulation of the ventral root on glucose utilization in the ventral horn of the spinal cord in the rat. 1987, 84, 5492-5  Local cerebral metabolic effects of L-dopa therapy in 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-induced parkinsonism in monkeys. 1987, 84, 5995-9  Stereotaxic biopsy and positron emission tomography correlation of cerebral gliomas. 1987, 27, 87-92	22 32 60 41

1244	The metabolic consequence of visual deprivation in the rat. <b>1987</b> , 465, 209-17	18
1243	Striatal neural transplants in the ibotenic acid-lesioned rat neostriatum. Cellular and functional aspects. <b>1987</b> , 495, 537-55	7
1242	Fluorodeoxyglucose brain metabolism studied by NMR and PET. 1987, 508, 451-9	12
1241	Three-dimensional representation and analysis of brain energy metabolism. <b>1987</b> , 236, 1641-6	69
1240	Brain glucose metabolism in children with the autistic syndrome: positron tomography analysis. <b>1987</b> , 9, 581-7	61
1239	The functional anatomy and pathology of lithium-pilocarpine and high-dose pilocarpine seizures. <b>1987</b> , 23, 953-68	296
1238	Effects of cochlear ablation on local cerebral glucose utilization in fetal sheep. <b>1987</b> , 157, 1438-42	22
1237	Effect of ketamine on local cerebral glucose utilization in fetal sheep. <b>1987</b> , 156, 1018-23	3
1236	Effect of Piracetam on electrocorticogram and local cerebral glucose utilization in the rat. <b>1987</b> , 18, 205-11	15
1235	Functional integration of fetal cortical grafts into the afferent pathway of the rat somatosensory cortex (SmI). <b>1987</b> , 19, 723-34	21
1234	Resting and pure tone evoked metabolic responses in the inferior colliculus of young adult and senescent rats. <b>1987</b> , 8, 171-8	14
1233	A general comparison of functional imaging in nuclear medicine with other modalities. <b>1987</b> , 17, 3-17	7
1232	Current status and prospects of new radionuclides and radiopharmaceuticals for cardiovascular nuclear medicine. <b>1987</b> , 17, 145-81	25
1231	Attenuation of cerebral glucose use in kainic acid-treated rats by diazepam. <b>1987</b> , 142, 215-24	15
1230	Alterations in regional energy metabolism in rat brain produced by small and by large doses of apomorphine: possible relations to autoreceptors. <b>1987</b> , 139, 139-46	3
1229	Central cholecystokinin octapeptide reduces glucose utilization in subcortical but not cortical rat brain. <b>1987</b> , 139, 237-41	3
1228	Does deoxyglucose uptake in the brain reflect energy metabolism?. <b>1987</b> , 36, 1853-61	45
1227	Enhanced 2-deoxyglucose incorporation in peripheral nerve during ischemia. <b>1987</b> , 414, 323-9	11

1226	Influence of meprobamate and phenobarbital upon local cerebral glucose utilization: parallelism with effects of the anxiolytic diazepam. <b>1987</b> , 403, 82-8	7
1225	Specificity of spatial patterns of glomerular activation in the mouse olfactory bulb: computer-assisted image analysis of 2-deoxyglucose autoradiograms. <b>1987</b> , 417, 1-11	75
1224	Altered local cerebral glucose utilization induced by electrical stimulations of the thalamic sensory and parafascicular nuclei in rats. <b>1987</b> , 408, 47-56	22
1223	Cerebral glucose utilization following striatal lesions: the effects of the GABA agonist, muscimol, and the dopaminergic agonist, apomorphine. <b>1987</b> , 425, 290-300	26
1222	Caffeine-diazepam interaction and local cerebral glucose utilization in the conscious rat. <b>1987</b> , 419, 272-8	16
1221	The effect of an acute nicotine infusion on the local cerebral glucose utilization of the awake rat. 1987, 400, 232-8	55
1220	Functional neuroanatomic mapping of the rat striatum: regional differences in glucose utilization in normal controls and after treatment with apomorphine. <b>1987</b> , 411, 65-71	15
1219	Autoradiographic visualization and characterization of [3H]ouabain binding to the Na+,K+-ATPase of rat brain and pineal. <b>1987</b> , 409, 335-42	17
1218	Cerebral glucose consumption following verbal auditory stimulation. 1987, 409, 79-87	20
1217	The effect of bilateral kainic acid-induced lateral habenula lesions on dopamine-mediated behaviors. <b>1987</b> , 409, 193-6	20
1216	Effects of single and repeated electroconvulsive shock on local cerebral glucose utilization in the conscious rat. <b>1987</b> , 423, 144-8	14
1215	Effects of the GABA receptor agonist, progabide, upon local cerebral glucose utilization. <b>1987</b> , 423, 162-72	7
1214	Differential glucose utilization in the parafascicular region during slow-wave sleep, the still-alert state and locomotion. <b>1987</b> , 423, 399-402	3
1213	Effects of calcium ions on glucose utilization in the rat suprachiasmatic nucleus in vitro. <b>1987</b> , 426, 332-8	27
1212	Differential effects of mu and kappa opioid analgesics on cerebral glucose utilization in the rat. <b>1987</b> , 422, 257-66	27
1211	Intercorrelations of regional cerebral glucose metabolic rates in Alzheimer's disease. <b>1987</b> , 407, 294-306	160
<b>121</b> 0	Midbrain reticular stimulation produces patterns of metabolic activation and suppression in the cerebellum and vestibular nuclei: a 2-deoxyglucose study. <b>1987</b> , 412, 275-84	12
1209	Reversal of scopolamine-induced amnesia and alterations in energy metabolism by the nootropic piracetam: implications regarding identification of brain structures involved in consolidation of memory traces. <b>1987</b> , 424, 1-9	60

1208	Vertical and horizontal visual whole-field motion differently affect the metabolic activity of the rat medial terminal nucleus. <b>1987</b> , 412, 43-53	19
1207	In vivo metabolic activity of the suprachiasmatic nuclei: non-uniform intranuclear distribution of 14C-labeled deoxyglucose uptake. <b>1987</b> , 424, 249-57	14
1206	Quantitative analysis of glucose after transient ischemia in the gerbil hippocampus by light and electron microscope radioautography. <b>1987</b> , 416, 175-9	23
1205	Alterations in local cerebral glucose utilization induced by phencyclidine. <b>1987</b> , 435, 29-40	66
1204	Effect of the 5-HT1A receptor agonist ipsapirone on the local cerebral glucose utilization of the rat hippocampus. <b>1987</b> , 436, 283-90	30
1203	Measurement of glucose and 2-deoxy-2-[18F]fluoro-D-glucose transport and phosphorylation rates in myocardium using dual-tracer kinetic experiments. <b>1987</b> , 216, 128-32	17
1202	Reversal of 2-deoxyglucose uptake pattern across rat superior colliculus layers during recovery from visual cortex ablation. <b>1987</b> , 97, 423-7	3
1201	Changes in local cerebral glucose utilization after chronic ethanol in rats. <b>1987</b> , 95, 303-12	5
1200	Comparative glucose utilization rates in separated and mated schistosomes. <b>1987</b> , 64, 448-57	6
1199	Glucose utilization in the temporal cortex of affectively ill patients: positron emission tomography. <b>1987</b> , 22, 545-53	132
1198	Different patterns of local brain energy metabolism associated with high and low doses of methylphenidate. Relevance to its action in hyperactive children. <b>1987</b> , 22, 126-38	60
1197	Changes in local cerebral glucose utilization associated with Parkinson's syndrome induced by 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) in the primate. <b>1987</b> , 40, 1657-64	50
1196	Regional cerebral glucose metabolism in aphemia: a case report. <b>1987</b> , 31, 201-14	14
1195	The contribution of PET scanning to understanding metabolism and drug actions in the basal ganglia. <b>1987</b> , 32, 77-87	2
1194	The influence of neuronal activity on patterns of synaptic connections. <b>1987</b> , 10, 188-190	44
1193	Dysfunction in a prefrontal substrate of sustained attention in schizophrenia. <b>1987</b> , 40, 2031-9	99
1192	Metabolism-independent cerebral vasodilation elicited by electrical stimulation of the centromedian-parafascicular complex in rat. <b>1987</b> , 83, 269-74	15
1191	Applications of PET in the brain. <b>1987</b> , 11, 165-72	2

1190	Optimizing drug delivery to brain tumors. <b>1987</b> , 14, 1-28	108
1189	Auditory experience affects degeneration of the ventral cochlear nucleus in Mongolian gerbils. <b>1987</b> , 31, 235-44	46
1188	In vivo measurement of [18F]fluorodeoxyglucose rate constants in rat brain by external coincidence counting. <b>1987</b> , 22, 593-9	25
1187	Cerebral glucose metabolism in five patients with Lennox-Gastaut syndrome. <b>1987</b> , 3, 12-8	30
1186	Cholinergic systems influence local cerebral glucose use in specific anatomical areas: diisopropyl phosphorofluoridate versus soman. <b>1987</b> , 20, 329-39	21
1185	Primate models of dyskinesia: the experimental approach to the study of basal ganglia-related involuntary movement disorders. <b>1987</b> , 21, 1-40	246
1184	Locus coeruleus input affects glucose metabolism in activated rat barrel cortex. <b>1987</b> , 19, 495-9	23
1183	Regular stripe-like activation and suppression of metabolic activity in the cerebellar cortex following apomorphine administration to haloperidol-pretreated rats. <b>1987</b> , 4, 249-254	
1182	Double-label autoradiographic deoxyglucose method for sequential measurement of regional cerebral glucose utilization. <b>1987</b> , 22, 601-19	26
1181	3H-2-deoxyglucose uptake after electrical stimulation of cardioactive sites in insular cortex and mediodorsal nucleus of the thalamus in rabbits. <b>1987</b> , 19, 439-52	13
1180	Myocardial imaging using 11C-CoQ10 with positron emission tomography. <b>1987</b> , 14, 1-6	1
1179	Local brainstem glucose utilization in the squirrel monkey. <b>1987</b> , 19, 191-4	7
1178	Regular stripe-like activation and suppression of metabolic activity in the cerebellar cortex following apomorphine administration to haloperidol-pretreated rats. <b>1987</b> , 4, 249-54	
1177	Local cerebral glucose utilization in fetal sheep exposed to noise. <b>1987</b> , 157, 456-60	11
1176	Effects of Anesthetics on Cerebral Circulation. <b>1986</b> , 2, 35-65	
1175	Increased uptake and phosphorylation of 2-deoxyglucose by skeletal muscles in endotoxin-treated rats. <b>1987</b> , 253, E33-9	13
1174	In vivo metabolic activity of hamster suprachiasmatic nuclei: use of anesthesia. <b>1987</b> , 252, R419-22	2
1173	Metabolites of 2-deoxyglucose in rat brain at 12-24 h: bounds on kinetic constants. <b>1987</b> , 253, E453-60	1

1172 Hyperglycemia and hyperinsulinemia increase glucose utilization in fetal rat tissues. **1987**, 253, E616-20

1171	Time course of radiolabeled 2-deoxy-D-glucose 6-phosphate turnover in cerebral cortex of goats. <b>1987</b> , 252, R276-83	1
1170	Molecular characteristics of rat brain glucose transporter: a novel species with Mr 45,000. <b>1987</b> , 101, 43-52	9
1169	Changes in local cerebral glucose utilization induced by the beta-carbolines FG 7142 and DMCM reveal brain structures involved in the control of anxiety and seizure activity. <b>1987</b> , 7, 1047-55	23
1168	Changing Hypothalamic Function and Its Role in Aging of the Female Reproductive System. 1987, 80-91	
1167	Effect of anesthesia on glucose production and utilization in rats. <b>1987</b> , 252, E365-9	30
1166	Cold exposure potentiates the effect of insulin on in vivo glucose uptake. <b>1987</b> , 253, E179-86	38
1165	MPTP-induced parkinsonism in the monkey: neurochemical pathology, complications of treatment and pathophysiological mechanisms. <b>1987</b> , 14, 428-35	74
1164	[14C]iodoantipyrine and microsphere blood flow estimates in cat brain. <b>1987</b> , 253, H1289-97	4
1163	Fluorodeoxyglucose rate constants, lumped constant, and glucose metabolic rate in rabbit heart. <b>1987</b> , 252, H777-87	23
1162	Cerebral glucose and dopa metabolism in movement disorders. <b>1987</b> , 14, 448-51	13
1161	Changes in brain metabolism in hepatic encephalopathy. <b>1987</b> , 6, 35-66	28
1160	Digital image reconstruction for the study of brain structure and function. <b>1987</b> , 20, 7-21	27
1159	Application of autoradiographic analysis of 2-deoxyglucose in the study of locomotion. <b>1987</b> , 21, 303-10	6
1158	Positron tomographic quantitation of neuroreceptors in human brain in vivowith special reference to the D2 dopamine receptors in caudate nucleus. <b>1987</b> , 10, 9-18	13
1157	Regional differences in local cerebral blood flow (LCBF) and glucose utilization (LCGU) in the basal ganglia after occlusion of the middle cerebral artery in rats. <b>1987</b> , 68, 271-87	4
1156	Regional glucose uptake and protein synthesis in isolated perfused rat hearts immediately after training and later. <b>1987</b> , 82, 9-17	5
1155	Effects of amphetamine on local cerebral metabolism in normal and schizophrenic subjects as determined by positron emission tomography. <b>1987</b> , 92, 241-6	61

1154 Methiothepin reduces glucose utilization in forebrain regions of awake rats. <b>1987</b> , 93, 449-56	7
A sequential double-label 14C- and 3H-2-DG technique: validation by double-dissociation of functional states. <b>1987</b> , 66, 543-54	16
PCP-induced alterations in cerebral glucose utilization in rat brain: blockade by metaphit, a PCP-receptor-acylating agent. <b>1987</b> , 1, 497-504	48
In vivo tracer studies of glucose metabolism, cerebral blood flow, and protein synthesis in naloxo precipitated morphine withdrawal. <b>1987</b> , 12, 573-80	ne 6
Acoustic communication in the poison-arrow frogPhyllobates tricolor: advertisement calls and the effects on behavior and metabolic brain activity of recipients. <b>1987</b> , 160, 693-702	eir 10
1149 Glucose utilization in vivo by human pulmonary neoplasms. <b>1987</b> , 60, 2682-9	208
Enzymatic assays for 2-deoxyglucose and 2-deoxyglucose 6-phosphate. <b>1987</b> , 161, 508-13	31
Topographic organization of the orientation column system in large flat-mounts of the cat visual cortex: a 2-deoxyglucose study. <b>1987</b> , 255, 401-15	97
Quantitative autoradiographic maps of local cerebral glucose metabolism in awake rats: I. Septal region and anterior hypothalamus. <b>1987</b> , 259, 559-70	2
[125I] triiodothyronine in the rat brain: evidence for neural localization and axonal transport derived from thaw-mount film autoradiography. <b>1987</b> , 260, 392-408	39
A combined 2-deoxyglucose and neurophysiological study of primate somatosensory cortex. <b>198</b> ' 263, 514-25	<b>7</b> , 47
The Lennox-Gastaut syndrome: metabolic subtypes determined by 2-deoxy-2[18F]fluoro-D-glucos positron emission tomography. <b>1987</b> , 21, 4-13	se 124
1142 Recovery of vision after ischemic lesions: positron emission tomography. <b>1987</b> , 21, 444-50	43
Effect of generalized spike-and-wave discharge on glucose metabolism measured by positron emission tomography. <b>1987</b> , 21, 458-64	80
1140 Experimental hemiplegia in the monkey: basal ganglia glucose activity during recovery. <b>1987</b> , 22,	370-6 25
1139 Positron emission tomography study of human brain functional development. <b>1987</b> , 22, 487-97	1273
1138 Lowered cerebral glucose utilization in amyotrophic lateral sclerosis. <b>1987</b> , 22, 580-6	140
1137 The metabolic pathology of the AIDS dementia complex. <b>1987</b> , 22, 700-6	211

1136	Modified technique for cytochrome oxidase histochemistry: increased staining intensity and compatibility with 2-deoxyglucose autoradiography. <b>1987</b> , 19, 1-10	101
1135	High resolution autoradiography at the regional topographic level with [14C]2-deoxyglucose and [3H]2-deoxyglucose. <b>1987</b> , 20, 105-13	18
1134	Measurements of regional glucose metabolism in studies of motor control. <b>1987</b> , 21, 139-44	3
1133	Recommendation for a practical production of [2-18F]fluoro-2-deoxy-D-glucose. <b>1987</b> , 38, 605-610	36
1132	Late neuropathological consequences of strangulation. <b>1987</b> , 15, 171-85	10
1131	Local cerebral glucose utilization and local cerebral blood flow in conscious rats after administration of flunarizine. <b>1987</b> , 335, 680-5	15
1130	Simultaneous double-isotope autoradiographic measurement of local cerebral glucose metabolic rate and acid-base status in rat brain. <b>1987</b> , 2, 47-60	11
1129	The role of the brain stem in generalized epileptic seizures. <b>1987</b> , 2, 81-112	23
1128	The postnatal development of stimulated deoxyglucose uptake into the mouse cochlea and the inferior colliculus. <b>1987</b> , 244, 273-7	6
1127	Neuropsychological and cerebral metabolic function in early vs late onset dementia of the Alzheimer type. <b>1987</b> , 25, 807-16	84
1126	Chronic choline supplementation attenuates the behavioral effects of pentobarbital. <b>1987</b> , 28, 469-75	6
1125	Co-dergocrine, cerebral glucose utilization and maze performance in middle-aged rats. <b>1987</b> , 26, 95-101	13
1124	Metabolism of 2-deoxy-2-[18F]fluoro-D-glucose: presence of 2-deoxy-2-[18F]fluoro-D-glucose 6-phosphate in plasma of mice, rats, and humans. <b>1987</b> , 1, 51-4	2
1123	Beneficial effect of nitrates on myocardial glucose utilization in unstable angina pectoris. <b>1987</b> , 60, 26H-30H	3
1122	Effect of lonidamine on the utilization of 14C-labeled glucose by human astrocytoma cells. <b>1987</b> , 47, 154-65	13
1121	Diurnal variation of cation pump enzyme activity in pineal and seven other rat brain regions. <b>1987</b> , 4, 33-43	
1120	A method for 14C and 3H double-label autoradiography. <b>1987</b> , 7, 572-7	7
1119	Simultaneous determination of regional cerebral blood flow, glucose metabolism, and pH in acute experimental allergic encephalomyelitis. <b>1987</b> , 7, 578-84	17

1118	Time-dependent changes of lumped and rate constants in the deoxyglucose method in experimental cerebral ischemia. <b>1987</b> , 7, 640-8		20
1117	Scaled subprofile model: a statistical approach to the analysis of functional patterns in positron emission tomographic data. <b>1987</b> , 7, 649-58		183
1116	Ketamine effects on local cerebral blood flow and metabolism in the rat. <b>1987</b> , 7, 806-11		121
1115	Multitracer studies in acute brain ischemia. <b>1987</b> , 7, 132-4		
1114	To the Editor. <b>1987</b> , 7, 132-134		
1113	Topography of capillary density, glucose metabolism, and microvascular function within the rat inferior colliculus. <b>1987</b> , 7, 154-60		52
1112	Measurement of glucose utilisation with [18F]2-fluoro-2-deoxy-D-glucose: a comparison of different analytical methods. <b>1987</b> , 7, 161-72		69
1111	The effect of anxiety on cortical cerebral blood flow and metabolism. <b>1987</b> , 7, 173-7		150
1110	Regional cerebral metabolic activity in the rat following experimental subarachnoid hemorrhage. <b>1987</b> , 7, 193-8		23
1109	Acute cerebral ischaemia: concurrent changes in cerebral blood flow, energy metabolites, pH, and lactate measured with hydrogen clearance and 31P and 1H nuclear magnetic resonance spectroscopy. I. Methodology. <b>1987</b> , 7, 199-206		78
1108	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. <b>1987</b> , 7, 214-29		39
1107	Effects of insulin on local cerebral glucose utilization in the rat. <b>1987</b> , 7, 309-14		55
1106	Human cerebral glucose metabolism determined by positron emission tomography: a revisit. <b>1987</b> , 7, 427-32		26
1105	Serotonergic neuron stimulation modulates thalamocortical glucose use in the conscious rat. <b>1987</b> , 7, 502-6		10
1104	Neuroreceptor assay with positron emission tomography: definition of transfer coefficients. <b>1987</b> , 7, 517-20		3
1103	Quantitative receptor autoradiography. <b>1987</b> , 326, 649-649		
1102	Regional cerebral glucose phosphorylation and blood flow after insertion of a microdialysis fiber through the dorsal hippocampus in the rat. <i>Journal of Neurochemistry</i> , <b>1987</b> , 49, 729-34	6	240
1101	Cerebral glucose utilization: comparison of [14C]deoxyglucose and [6-14C]glucose quantitative autoradiography. <i>Journal of Neurochemistry</i> , <b>1987</b> , 49, 1564-70	6	59

1100	Deoxyglucose-6-phosphate stability in vivo and the deoxyglucose method. <i>Journal of Neurochemistry</i> , <b>1987</b> , 49, 1941-60	6	24
1099	Deoxyglucose-6-Phosphate Stability In Vivo and the Deoxyglucose Method: Response to Comments of Hawkins and Miller. <i>Journal of Neurochemistry</i> , <b>1987</b> , 49, 1949-1960	6	34
1098	Stimulatory effect of the D2 antagonist sulpiride on glucose utilization in dopaminergic regions of rat brain. <i>Journal of Neurochemistry</i> , <b>1987</b> , 49, 631-8	6	38
1097	Effects of injury on the indoleamines in cerebral cortex. <i>Journal of Neurochemistry</i> , <b>1987</b> , 49, 321-5	6	39
1096	An in vivo kinetic model with L-[35S]methionine for the determination of local cerebral rates for methionine incorporation into protein in the rat. <i>Journal of Neurochemistry</i> , <b>1987</b> , 48, 352-63	6	46
1095	Enzyme activities in regions of the hypothalamus. <i>Journal of Neurochemistry</i> , <b>1987</b> , 48, 738-40	6	3
1094	Effects of hyperprolactinemia on plasma prolactin and glucose and on local cerebral glucose utilization. <i>Journal of Neurochemistry</i> , <b>1987</b> , 48, 94-101	6	8
1093	Gas targets for the production of 15O, 11C and 18F for pet studies. <b>1987</b> , 24-25, 932-936		4
1092	Mechanisms of brain damage in focal cerebral ischemia. <b>1988</b> , 77, 81-101		150
1091	Pathophysiological aspects of acute experimental allergic encephalomyelitis. 1988, 119, 1-21		106
1090	Metabolic mapping of the oculomotor system in MPTP-induced parkinsonian monkeys. <b>1988</b> , 23, 86-9		10
1089	Increases in both cerebral glucose utilization and blood flow during execution of a somatosensory task. <b>1988</b> , 23, 152-60		83
1088	The metabolic anatomy of paraneoplastic cerebellar degeneration. 1988, 23, 533-40		32
1087	Thalamic, brainstem, and cerebellar glucose metabolism in the hemiplegic monkey. <b>1988</b> , 24, 718-26		14
1086	Fluorodeoxyglucose imaging: a method to assess the proliferative activity of human cancer in vivo. Comparison with DNA flow cytometry in head and neck tumors. <b>1988</b> , 61, 1776-81		189
1085	Synthesis of 2-deoxy-D-glucose [2,6,6?-3H] with high specific activity. <b>1988</b> , 25, 1281-1288		1
1084	Fluorine-19 NMR imaging of glucose metabolism. <b>1988</b> , 6, 307-13		42
1083	Synthesis of 2-deoxy-D-arabino-(6-13C)hexose. <b>1988</b> , 181, 125-34		6

1082	Beneficial effects of idebenone on memory impairment in rats. <b>1988</b> , 14, 373-384	8
1081	Common fur and mystacial vibrissae parallel sensory pathways: 14 C 2-deoxyglucose and WGA-HRP studies in the rat. <b>1988</b> , 270, 446-69	38
1080	Metabolic activity in striate and extrastriate cortex in the hooded rat: contralateral and ipsilateral eye input. <b>1988</b> , 274, 595-607	31
1079	New high-resolution 2-deoxyglucose method featuring double labeling and automated data collection. <b>1988</b> , 278, 543-54	31
1078	An improved calibration procedure for computer-based quantitative autoradiography utilizing a mathematical model for the non-linear response of camera and film. <b>1988</b> , 22, 233-8	24
1077	Augmented uptake of 2-C-14-D-deoxyglucose in reversibly-injured myocardium. <b>1988</b> , 13, 557-62	6
1076	Local spinal cord glucose utilization in conscious and halothane-anaesthetized rats. <b>1988</b> , 35, 359-63	5
1075	Stimulus-specific long-term habituation of visually guided orienting behavior toward prey in toads: a 14C-2DG study. <b>1988</b> , 163, 1-11	26
1074	PET in clinical oncology. <b>1988</b> , 7, 119-42	51
1073	Topography of basal glucose utilization in rat thalamus and hypothalamus determined with (1-14C)-glucose. <b>1988</b> , 179, 1-17	3
\\		
1072	Non-stationary spatial filtering and accelerated curve fitting for parametric imaging with dynamic PET. <b>1988</b> , 14, 477-84	26
	Non-stationary spatial filtering and accelerated curve fitting for parametric imaging with dynamic	26
	Non-stationary spatial filtering and accelerated curve fitting for parametric imaging with dynamic PET. <b>1988</b> , 14, 477-84	
1071	Non-stationary spatial filtering and accelerated curve fitting for parametric imaging with dynamic PET. <b>1988</b> , 14, 477-84  Cardiac nuclear medicine: positron emission tomography in clinical medicine. <b>1988</b> , 13, 648-52  The determination of the local cerebral glucose utilization with the 2-deoxyglucose method. <b>1988</b> ,	6
1071 1070 1069	Non-stationary spatial filtering and accelerated curve fitting for parametric imaging with dynamic PET. <b>1988</b> , 14, 477-84  Cardiac nuclear medicine: positron emission tomography in clinical medicine. <b>1988</b> , 13, 648-52  The determination of the local cerebral glucose utilization with the 2-deoxyglucose method. <b>1988</b> , 90, 109-21	12
1071 1070 1069	Non-stationary spatial filtering and accelerated curve fitting for parametric imaging with dynamic PET. 1988, 14, 477-84  Cardiac nuclear medicine: positron emission tomography in clinical medicine. 1988, 13, 648-52  The determination of the local cerebral glucose utilization with the 2-deoxyglucose method. 1988, 90, 109-21  Local cerebral glucose utilization in the Ammon's horn and dentate gyrus of the rat brain. 1988, 88, 415-26	6 12 30
1071 1070 1069 1068	Non-stationary spatial filtering and accelerated curve fitting for parametric imaging with dynamic PET. 1988, 14, 477-84  Cardiac nuclear medicine: positron emission tomography in clinical medicine. 1988, 13, 648-52  The determination of the local cerebral glucose utilization with the 2-deoxyglucose method. 1988, 90, 109-21  Local cerebral glucose utilization in the Ammon's horn and dentate gyrus of the rat brain. 1988, 88, 415-26  Autoradiographic studies on glucose utilization in individual zones of the rat thymus. 1988, 88, 571-3  The transfer coefficients for L-valine and the rate of incorporation of L-[1-14C] valine into proteins	6 12 30 2

1064	Autoradiographic determination of cerebral glucose content, blood flow, and glucose utilization in focal ischemia of the rat brain: influence of the plasma glucose concentration. <b>1988</b> , 8, 100-8		53
1063	Extracellular lactic acid as an indicator of brain metabolism: continuous on-line measurement in conscious, freely moving rats with intrastriatal dialysis. <b>1988</b> , 8, 130-7		139
1062	The retention of [99mTc]-d,l-HM-PAO in the human brain after intracarotid bolus injection: a kinetic analysis. <b>1988</b> , 8, S13-22		243
1061	Effects of leukocytic pyrogen (interleukin-1) on local cerebral glucose utilization in rats with and without premedication with indomethacin or dexamethasone. <b>1988</b> , 8, 173-8		3
1060	Tracer 2-deoxyglucose kinetics in brain regions of rats given kainic acid. <b>1988</b> , 8, 244-53		25
1059	The effect of p-chlorophenylalanine on cerebral metabolism and biogenic amine content of traumatized brain. <b>1988</b> , 8, 324-34		54
1058	Local cerebral glucose utilization in controlled graded levels of hyperglycemia in the conscious rat. <b>1988</b> , 8, 346-56		62
1057	Single-scan Bayes estimation of cerebral glucose metabolic rate: comparison with non-Bayes single-scan methods using FDG PET scans in stroke. <b>1988</b> , 8, 418-25		10
1056	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. <b>1988</b> , 8, 426-32		25
1055	Quantitative multiple tracer autoradiography: considerations in optimizing precision and accuracy. <b>1988</b> , 8, 443-8		12
1054	Functional activation of cerebral blood flow and metabolism before and after global ischemia of rat brain. <b>1988</b> , 8, 486-94		208
1053	Reproducibility of cerebral glucose metabolic measurements in resting human subjects. <b>1988</b> , 8, 502-12	2	115
1052	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. <b>1988</b> , 8, 575-85		37
1051	Local glucose utilization of the brain and pineal gland during stimulation of the cervical sympathetic trunk. <b>1988</b> , 5, 51-62		5
1050	Regional cerebral glucose metabolism and blood flow during the silent phase of methylmercury neurotoxicity in rats. <i>Journal of Neurochemistry</i> , <b>1988</b> , 51, 1350-5	6	7
1049	Brain slice glucose utilization. <i>Journal of Neurochemistry</i> , <b>1988</b> , 51, 1783-96	6	29
1048	Distribution of the glucose-1,6-bisphosphate system in brain and retina. <i>Journal of Neurochemistry</i> , <b>1988</b> , 50, 594-602	6	11
1047	Specificity and reversibility of the inhibition by HgCl2 of glutamate transport in astrocyte cultures. Journal of Neurochemistry, <b>1988</b> , 50, 1117-22	6	53

Oxidative metabolism of nonsynaptic mitochondria isolated from rat brain hippocampus: a comparative regional study. <i>Journal of Neurochemistry</i> , <b>1988</b> , 50, 1233-6	6	19
1045 Cerebral glucose uptake in lindane-treated rats. <b>1988</b> , 49, 381-7		10
The evaluation of quantitative autoradiogram processing systems for cerebrovascular research.  1044 <b>1988</b> , 24, 11-25		7
A low-priced computer-assisted densitometer and analysis software for quantitative autoradiography. <b>1988</b> , 24, 145-54		3
1042 The analytic and functional accuracy of a video densitometry system. <b>1988</b> , 25, 63-74		15
Quantitative immunocytochemistry using an image analyzer. I. Hardware evaluation, image processing, and data analysis. <b>1988</b> , 26, 1-23		105
Objective image alignment for three-dimensional reconstruction of digital autoradiograms. <b>198</b> 26, 55-74	38,	79
1039 19F 2-FDG NMR imaging of the brain in rat. <b>1988</b> , 6, 633-5		11
Effects of moderate ethanol sedation on brain regional 2-deoxyglucose uptake in alcohol-sensil and alcohol-insensitive rat lines. <b>1988</b> , 30, 781-6	tive	10
1037 Ro 15-4513: partial inverse agonism at the BZR and interaction with ethanol. <b>1988</b> , 31, 733-49		82
1036 Naloxone fails to alter local cerebral glucose utilization in the rat. <b>1988</b> , 31, 481-5		9
1035 Regional cerebral glucose metabolism in identical twins. <b>1988</b> , 26, 615-21		11
1034 . <b>1988</b> , 8, 13-23		25
1033 Hypoglycemia, brain metabolism, and brain damage. <b>1988</b> , 4, 113-44		100
Uncoupling of cerebral blood flow and glucose utilization by dihydroergocristine in the consciourat. <b>1988</b> , 338, 82-7	us	6
Delayed hypometabolism induced by bilateral ischemia in the gerbil: regional metabolic thresholism 1988, 3, 279-85	olds.	2
1030 Significance of biogenic amines in functional disturbances resulting from brain injury. <b>1988</b> , 3, 3	03-10	18
The effect of early postnatal hypoxia on the regional cerebral utilization of glucose in adult rates 1988, 3, 311-5	5.	2

1028	Metabolic alterations in fiber layers of the CA 1 region of the gerbil hippocampus following short-term ischemia: high-energy phosphates, glucose-related metabolites, and amino acids. <b>1988</b> , 3, 133-49	24
1027	The effect of hyperbaric oxygen on glucose utilization in a freeze-traumatized rat brain. <b>1988</b> , 68, 137-41	27
1026	Comparative effects of caffeine and L-phenylisopropyladenosine on local cerebral glucose utilization in the rat. <b>1988</b> , 157, 1-11	18
1025	Quantitative distribution of muscarinic receptors and choline acetyltransferase in rat medulla: examination of transmitter-receptor mismatch. <b>1988</b> , 452, 336-44	23
1024	Local cerebral glucose consumption during ethanol withdrawal in the rat: effects of single and multiple episodes and previous convulsive seizures. <b>1988</b> , 453, 204-14	39
1023	Administration of MPTP acutely increases glucose utilization in the substantia nigra of primates. 1988, 453, 227-34	30
1022	Spatial coding of olfactory information in the antennal lobe of Drosophila melanogaster. <b>1988</b> , 453, 299-307	114
1021	Local cerebral glucose utilization of the awake rat during chronic administration of nicotine. <b>1988</b> , 456, 350-6	28
1020	Circadian variation of [14C]2-deoxyglucose uptake within the suprachiasmatic nucleus of the house sparrow, Passer domesticus. <b>1988</b> , 459, 178-82	40
1019	Effect of prolonged normobaric hyperoxia on regional cerebral metabolic rate for glucose in conscious rats. <b>1988</b> , 459, 187-91	5
1018	Functional [14C]2-deoxyglucose mapping of progressive states of status epilepticus induced by amygdala stimulation in rat. <b>1988</b> , 460, 94-102	73
1017	Structural and metabolic alterations in rat cerebral cortex induced by prenatal exposure to ethanol. 1988, 474, 316-26	66
1016	Local cerebral glucose utilization following unilateral and bilateral lesions of the nucleus basalis magnocellularis in the rat. <b>1988</b> , 462, 99-103	45
1015	The effects of FG 7142 upon local cerebral glucose utilization suggest overlap between limbic structures important in anxiety and convulsions. <b>1988</b> , 475, 218-31	17
1014	Effect of food deprivation on regional brain glucose utilization in lean and fatty Zucker rats. <b>1988</b> , 475, 371-5	4
1013	Behavioral and metabolic alterations in the opiate withdrawal syndrome induced by lesions of fasciculus retroflexus. <b>1988</b> , 451, 54-8	3
1012	Cerebral glucose utilization after administration of apamin, a toxin active on Ca2+-dependent K+ channels. <b>1988</b> , 451, 274-84	265
1011	High metabolic activity in the visual cortex of early blind human subjects. <b>1988</b> , 446, 369-73	170

1010	Acute ethanol administration selectively alters localized cerebral glucose metabolism. 1988, 444, 53-8	39
1009	Influence of ascending serotonergic pathways on glucose use in the conscious rat brain. I. Effects of electrolytic or neurotoxic lesions of the dorsal and/or median raph[hucleus. 1988, 444, 214-26	32
1008	Influence of ascending serotonergic pathways on glucose use in the conscious rat brain. II. Effects of electrical stimulation of the rostral raph[huclei. <b>1988</b> , 444, 227-46	44
1007	Decreases of cortical and thalamic glucose metabolism produced by parietal cortex stimulation in the rat. <b>1988</b> , 438, 357-62	26
1006	Alterations in local cerebral glucose utilization during electrical stimulation of the striatum and globus pallidus in rats. <b>1988</b> , 442, 43-52	16
1005	Metabolic mapping of 2-deoxyglucose uptake in the rat piriform cortex using computerized image processing. <b>1988</b> , 442, 180-4	40
1004	Effects of square-wave gratings and diffuse light on metabolic activity in the rat visual system. <b>1988</b> , 439, 311-21	23
1003	The role of norepinephrine in adult rat somatosensory (SmI) cortical metabolism and plasticity. 1988, 443, 261-71	58
1002	Metabolic changes in the superior colliculus after retinal receptor lossneurotrophic interactions in the inactive visual system. <b>1988</b> , 100, 563-77	4
1001	Interictal changes in behavior and cerebral metabolism in the rat: opioid involvement. <b>1988</b> , 99, 73-83	20
1000	Effects of chronic diphenylhydantoin on cerebral metabolism in the adult rat. <b>1988</b> , 99, 523-30	
999	In vivo glucose utilization in rat tissues during the three phases of starvation. <b>1988</b> , 37, 1033-9	40
998	Role of vasoactive intestinal peptide and peptide histidine isoleucine in the cerebral circulation. <b>1988</b> , 527, 378-92	9
997	Studies on the neurochemical mechanisms and significance of ACTH-induced grooming. <b>1988</b> , 525, 150-68	22
996	Dopamine neuronal tracts in schizophrenia: their pharmacology and in vivo glucose metabolism. <b>1988</b> , 537, 443-50	10
995	Cortical glucose metabolic rate correlates of abstract reasoning and attention studied with positron emission tomography. <b>1988</b> , 12, 199-217	551
994	Distribution of [3H]deoxyglucose and [3H]dopamine in the adrenal medulla and nerve endings of the mouse. <b>1988</b> , 25, 79-82	1
993	Local cerebral glucose utilization non-selectively elevated in rapid eye movement sleep of the fetus. <b>1988</b> , 468, 65-70	30

992	Stimulation of brain metabolism by perinatal cocaine exposure. <b>1988</b> , 470, 137-41	67
991	Alterations in lipid and carbohydrate metabolism in sepsis. <b>1988</b> , 12, 53S-58S	47
990	Activation of brain function by S-135, a benzodiazepine receptor inverse agonist. 1988, 12, 951-66	8
989	Maternal communication of circadian phase to the developing mammal. 1988, 13, 63-78	48
988	Differential patterns of local cerebral glucose utilization in response to 5-hydroxytryptamine agonists. <b>1988</b> , 25, 907-15	29
987	Effect of extracts of injured nerve on initiating the regenerative response in the hypoglossal nucleus in the rat. <b>1988</b> , 84, 155-60	8
986	The effect of unilateral and bilateral removal of the entorhinal cortex on the glucose utilization in various hippocampal regions in the rat. <b>1988</b> , 87, 227-32	23
985	Regional rates of glucose utilization in the cat following concussive head injury. <b>1988</b> , 5, 121-37	46
984	A measurement of cerebral glucose uptake rate by 31P MRS. <b>1988</b> , 157, 1258-63	16
983	Dramatic limbic and cortical effects mediated by high affinity PCP receptors. 1988, 43, 379-85	15
982	The effect of neuroleptics on dysfunction in a prefrontal substrate of sustained attention in schizophrenia. <b>1988</b> , 43, 1141-50	38
981	Mild stress stimulates rat hippocampal glucose utilization transiently via NMDA receptors, as assessed by lactography. <b>1988</b> , 475, 58-63	70
980	Increased glucose utilization in superficial layers of the rat spinal dorsal horn during precipitated morphine withdrawal. <b>1988</b> , 150, 171-4	6
979	POSTER COMMUNICATIONS. <b>1988</b> , 93, 148P-306P	1
978	POSTER COMMUNICATIONS. 1988, 95, 590P-713P	
977	Measurement of local cerebral glucose utilization before and after V-P shunt in congenital hydrocephalus in rats. <b>1988</b> , 3, 125-32	21
976	The patterns of [14C]2-deoxyglucose uptake in female rat brain produced by electrical stimulation of hypothalamic and limbic brain areas. <b>1988</b> , 24, 241-63	13
975	Characteristics of the sympathetic preganglionic neuron and its synaptic input. <b>1988</b> , 31, 47-84	55

974	Effects of subacute capsaicin treatment on local cerebral glucose utilization in the rat. 1988, 25, 917-23	4
973	Uncoupling of hexose transport and phosphorylation in human gliomas demonstrated by PET. <b>1988</b> , 24, 1139-50	15
972	Deoxyglucose analysis of the specific topographic functional interrelations between substantia nigra and globus pallidus. <b>1988</b> , 21, 855-63	4
971	Differential effects of competitive and non-competitive N-methyl-D-aspartate antagonists on glucose use in the limbic system. <b>1988</b> , 91, 204-10	61
970	A high density of muscarinic receptors in the rostral ventrolateral medulla of the rat is revealed by correction for autoradiographic efficiency. <b>1988</b> , 85, 179-86	37
969	Functional laminar and columnar organization of the auditory centers in echolocating Japanese greater horseshoe bats. <b>1988</b> , 88, 17-20	5
968	Effects of temperature on the oxygen consumption in thin slices from different brain regions. <b>1988</b> , 86, 301-5	40
967	Effect of apamin on local rates of glucose utilization in the brain and the spinal cord in rats. <b>1988</b> , 91, 253-8	1
966	The effect of transient ischemia on 2-[14C]deoxyglucose metabolism in the rat hippocampus pretreated with kainic acid. <b>1988</b> , 89, 90-6	6
965	Nicotine enhances cerebral glucose utilization in central components of the rat visual system. <b>1988</b> , 20, 381-5	40
964	Neuropeptides modulate the transmitter-induced glycogenolysis and gluconeogenesis in leech segmental ganglia. <b>1988</b> , 12, 179-86	5
963	An attempt to localize the lumbar locomotor generator in the rabbit using 2-deoxy-[14C]glucose autoradiography. <b>1988</b> , 86, 139-43	25
962	Metabolic responses of the flocculus to optokinetic stimuli as revealed by the [14C]2-deoxyglucose method in pigmented rats. <b>1988</b> , 5, 258-64	2
961	Selective activation of striatal output nuclei by organophosphorus intoxication in the rat: EEG and 2-deoxy[3H]glucose metabolic mapping. <b>1988</b> , 44, 101-8	1
960	Aortic wall metabolism in relation to susceptibility and resistance to experimental atherosclerosis. <b>1988</b> , 7, 706-714	13
959	Energy utilization and gluconeogenesis in isolated leech segmental ganglia: Quantitative studies on the control and cellular localization of endogenous glycogen. <b>1988</b> , 12, 163-77	10
958	Simultaneous, quantitative measurement of local blood flow and glucose utilization in tissue samples in normal and injured feline brain. <b>1988</b> , 2, 291-303	5
957	The cerebral metabolism of glucose and oxygen measured with positron tomography in patients with mitochondrial diseases. <b>1988</b> , 111 ( Pt 5), 1009-24	96

Teratogenic effects of a lipophilic cationic dye rhodamine 123, alone and in combination with 2-deoxyglucose. <b>1988</b> , 11, 261-74	13
Brain glucose metabolism in thalamic syndrome. <b>1988</b> , 51, 427-8	24
Effect of neuroleptics on altered cerebral glucose metabolism in schizophrenia. <b>1988</b> , 45, 523-32	149
Cyclotrons and Radiopharmaceuticals in Positron Emission Tomography. <b>1988</b> , 259, 1854	9
The cerebral metabolic landscape in autism. Intercorrelations of regional glucose utilization. <b>1988</b> , 45, 749-55	274
Application of Positron Emission Tomography in the Heart. <b>1988</b> , 259, 2438	7
Metabolic imbalance and nerve cell damage in the brain. 1988, 73, 447-63	13
Mechanisms of vestibular compensation in the unilateral labyrinthectomized cat. <b>1988</b> , 76, 385-94	60
Measures of the inflammatory response in cryptogenic fibrosing alveolitis. <b>1988</b> , 138, 1234-41	54
Neurochemical studies on the mechanism of action of pyritinol. <b>1988</b> , 21 Suppl 1, 26-32	12
Assessment of thallium-201 redistribution versus glucose uptake as predictors of viability after coronary occlusion and reperfusion. <b>1988</b> , 77, 927-34	32
Clinical Physiology of Sleep. <b>1988</b> ,	2
Effects of dexamethasone on electroacupuncture analgesia and central nervous system metabolism. <b>1988</b> , 13, 9-23	2
Aging alters the circadian rhythm of glucose utilization in the suprachiasmatic nucleus. <b>1988</b> , 85, 5305-9	85
Honeybee retinal glial cells transform glucose and supply the neurons with metabolic substrate. <b>1988</b> , 85, 8727-31	89
Measurement of local cerebral protein synthesis in vivo: influence of recycling of amino acids derived from protein degradation. <b>1988</b> , 85, 9341-5	91
Validation of the triple-tracer autoradiographic method in rats. <b>1988</b> , 19, 758-63	4
Triple-tracer autoradiography demonstrates effects of hyperglycemia on cerebral blood flow, pH, and glucose utilization in cerebral ischemia of rats. <b>1988</b> , 19, 764-72	47
	2-deoxyglucose. 1988, 11, 261-74  Brain glucose metabolism in thalamic syndrome. 1988, 51, 427-8  Effect of neuroleptics on altered cerebral glucose metabolism in schizophrenia. 1988, 45, 523-32  Cyclotrons and Radiopharmaceuticals in Positron Emission Tomography. 1988, 259, 1854  The cerebral metabolic landscape in autism. Intercorrelations of regional glucose utilization. 1988, 45, 749-55  Application of Positron Emission Tomography in the Heart. 1988, 259, 2438  Metabolic imbalance and nerve cell damage in the brain. 1988, 73, 447-63  Mechanisms of vestibular compensation in the unilateral labyrinthectomized cat. 1988, 76, 385-94  Measures of the inflammatory response in cryptogenic fibrosing alveolitis. 1988, 138, 1234-41  Neurochemical studies on the mechanism of action of pyritinol. 1988, 21 Suppl 1, 26-32  Assessment of thallium-201 redistribution versus glucose uptake as predictors of viability after coronary occlusion and reperfusion. 1988, 77, 927-34  Clinical Physiology of Sleep. 1988,  Effects of dexamethasone on electroacupuncture analgesia and central nervous system metabolism. 1988, 13, 9-23  Aging alters the circadian rhythm of glucose utilization in the suprachiasmatic nucleus. 1988, 85, 5305-9  Honeybee retinal glial cells transform glucose and supply the neurons with metabolic substrate. 1988, 85, 8727-31  Measurement of local cerebral protein synthesis in vivo: Influence of recycling of amino acids derived from protein degradation. 1988, 85, 9341-5  Validation of the triple-tracer autoradiography demonstrates effects of hyperglycemia on cerebral blood flow, pH,

938	Autoradiographic demonstration of the antagonism of anthramycin and diazepam against cholecystokinin in the mouse brain using the [14C]-2-deoxyglucose method. <b>1988</b> , 48, 1-6	3
937	2-deoxy-D-(14C)-glucose study of the interaction of caerulein and apomorphine. <b>1988</b> , 48, 131-6	
936	Neural systems activated by the aversive stimulation of dorsal central gray. <b>1988</b> , 48, 137-41	7
935	Are the irreversible perfusion defects on myocardial thallium scans really irreversible?. <b>1988</b> , 9 Suppl F, 23-8	5
934	The effect of tumour-bearing on 2-deoxy[U-14C]glucose uptake in normal and neoplastic tissues in the rat. <b>1988</b> , 253, 603-6	12
933	Effect of profound hypermagnesemia on spinal cord glucose utilization in rats. <b>1988</b> , 19, 747-9	11
932	Regional myocardial free fatty acid extraction in normal and ischemic myocardium. 1988, 78, 1218-33	43
931	Anatomic and functional development of the suprachiasmatic nuclei in the gray short-tailed opossum. <b>1988</b> , 8, 4269-76	25
930	Single vibrissal cortical column in SI cortex of rat and its alterations in neonatal and adult vibrissa-deafferented animals: a quantitative 2DG study. <b>1988</b> , 60, 829-52	112
929	Increased in vivo glucose utilization in 30-day-old obese Zucker rat: role of white adipose tissue. 1988, 254, E342-8	9
928	Quantitative autoradiographic measurement of local cerebral glucose utilization in freely moving rats during postnatal development. <b>1988</b> , 8, 2321-33	158
927	Activation of muscle fibers in individual motor units revealed by 2-deoxyglucose-6-phosphate. <b>1988</b> , 8, 3959-66	8
926	Comparison of [14C]glucose and [14C]deoxyglucose as tracers of brain glucose use. <b>1988</b> , 254, E310-7	4
925	Metabolic mapping of functional activity in the olfactory system of normal and hypogonadal (hpg) mice. <b>1988</b> , 47, 437-43	4
924	Changes in local cerebral glucose utilization associated with the spontaneous ovulatory surge of luteinizing hormone in the rat. <b>1988</b> , 47, 551-5	5
923	Functional anatomy of macaque striate cortex. I. Ocular dominance, binocular interactions, and baseline conditions. <b>1988</b> , 8, 1500-30	139
922	Effect of prior immobilization on muscular glucose clearance in resting and running rats. <b>1988</b> , 255, E456-62	2
921	Metabolic activity in rat tectal grafts is influenced by host sensory innervation. <b>1988</b> , 8, 1822-9	16

920	autoradiography. <b>1988</b> , 8, 1951-61	138
919	Regional cerebral glucose utilization during vasopressin-induced barrel rotations or bicuculline-induced seizures in rats. <b>1988</b> , 36, 1-8	12
918	Local cerebral glucose utilization during status epilepticus in newborn primates. <b>1989</b> , 256, C1160-7	40
917	Kinetic analysis of cerebrovascular transport based on indicator diffusion technique. <b>1989</b> , 256, H794-812	10
916	Dynamic changes of excitatory amino acid receptors in the rat hippocampus following transient cerebral ischemia. <b>1989</b> , 9, 798-805	82
915	Regional cerebral glucose utilization reveals widespread abnormalities in the motor system of the rat mutant dystonic. <b>1989</b> , 9, 4033-41	38
914	Resolution of metabolic columns by a double-label 2-DG technique: interdigitation and coincidence in visual cortical areas of the same monkey. <b>1989</b> , 9, 4111-21	21
913	Fetal glucose utilization in response to maternal starvation and acute hyperketonemia. <b>1989</b> , 256, E699-703	2
912	Cortical areas involved in horizontal OKN in cats: metabolic activity. <b>1989</b> , 9, 1150-62	21
911	Brain activity and blood flow velocity changes: a transcranial Doppler study. <b>1989</b> , 47, 91-102	54
910	Alteration of FHR pattern and cerebral metabolic rate of glucose of the fetus measured by positron emission tomography during progress of acidemia. The significance of overshoot acceleration in FHR. <b>1989</b> , 17, 289-95	6
909	Divided attention, as measured by dichotic speech performance, in dementia of the Alzheimer type. <b>1989</b> , 46, 317-20	74
908	DNA synthesis, blood flow, and glucose utilization in experimental rat brain tumors. <b>1989</b> , 70, 86-91	21
907	Cerebral blood flow and glucose metabolism in experimental brain edema. <b>1989</b> , 71, 868-74	14
906	Cerebrovascular disease: use of fluorodeoxyglucose. <b>1989</b> , 9, 293-300	
906	Cerebrovascular disease: use of fluorodeoxyglucose. <b>1989</b> , 9, 293-300  Minimisation of parameter estimation errors in dynamic PET: choice of scanning schedules. <b>1989</b> , 34, 895-908	30
	Minimisation of parameter estimation errors in dynamic PET: choice of scanning schedules. <b>1989</b> ,	30

902	Maternal alcohol ingestion inhibits fetal glucose uptake and growth. <b>1989</b> , 11, 215-9	19
901	The relationship between CNS metabolism and cytoarchitecture: a review of 14C-deoxyglucose studies with correlation to cytochrome oxidase histochemistry. <b>1989</b> , 13, 81-92	41
900	Glucose metabolism and acidosis in the metabolic penumbra of rat brain. 1989, 4, 261-72	24
899	Effect of momentary stress on brain energy metabolism in weanling mice: apparent use of lactate as cerebral metabolic fuel concomitant with a decrease in brain glucose utilization. <b>1989</b> , 4, 177-86	30
898	Cerebral blood flow, oxygen and glucose metabolism with PET in progressive supranuclear palsy. <b>1989</b> , 3, 111-8	29
897	Hypermetabolic state following experimental head injury. <b>1989</b> , 12 Suppl 1, 400-11	52
896	Effect of chronic exercise on glucose uptake and activities of glycolytic enzymes measured regionally in rat heart. <b>1989</b> , 84, 174-90	19
895	Monitoring responsiveness during anaesthesia. <b>1989</b> , 3, 547-558	2
894	Brain oxygenation: monitoring techniques and insights into brain function and survival. <b>1989</b> , 3, 647-674	1
893	Measurement of local haematocrit, energy metabolism and haemodynamics in cerebral ischaemia with positron tomography. <b>1989</b> , 127, 14-21	1
892	Glucose metabolism and rate constants in Alzheimer's disease examined with dynamic positron emission tomography scan. <b>1989</b> , 80, 307-13	23
891	Functional organization of mustached bat inferior colliculus: I. Representation of FM frequency bands important for target ranging revealed by 14C-2-deoxyglucose autoradiography and single unit mapping. <b>1989</b> , 284, 60-84	30
890	c-fos expression and (14C) 2-deoxyglucose uptake in the caudal cerebellum of the rat during motor/sensory cortex stimulation. <b>1989</b> , 284, 621-36	110
889	Expression of c-fos protein in interneurons and projection neurons of the rat spinal cord in response to noxious somatic, articular, and visceral stimulation. <b>1989</b> , 285, 177-95	448
888	Mamillary body in the rat: topography and synaptology of projections from the subicular complex, prefrontal cortex, and midbrain tegmentum. <b>1989</b> , 286, 311-36	144
887	Computer-assisted three-dimensional reconstructions of [14C]-2-deoxy-D-glucose metabolism in cat lumbosacral spinal cord following cutaneous stimulation of the hindfoot. <b>1989</b> , 288, 326-38	3
886	Metabolic anatomy of brain: a comparison of regional capillary density, glucose metabolism, and enzyme activities. <b>1989</b> , 288, 401-13	193
885	Lesions of the basal forebrain alter stimulus-evoked metabolic activity in mouse somatosensory cortex. <b>1989</b> , 288, 414-27	32

884	Glucose-6-phosphate dehydrogenase activity in the olfactory system of the young rat: an enzyme histochemical study using computerized image analysis. <b>1989</b> , 289, 348-59	4
883	Developments in high-resolution positron emission tomography at MGH. <b>1989</b> , 1, 207-217	9
882	Positron tomography demonstrates frontal lobe hypometabolism in progressive supranuclear palsy. <b>1989</b> , 25, 131-9	114
881	High-dose leucovorin reverses acute high-dose methotrexate neurotoxicity in the rat. <b>1989</b> , 25, 365-72	19
880	Local cerebral glucose uptake in anatomically defined structures of freely moving rats. <b>1989</b> , 27, 191-202	16
879	Neurochemical correlates of brain-stimulation reward measured by ex vivo and in vivo analyses. <b>1989</b> , 13, 99-104	96
878	Effects of sodium dichloroacetate dose. Brain metabolites associated with cerebral ischemia. <b>1989</b> , 18, 1172-80	13
877	[18F]fluorodeoxyglucose scintigraphy in diagnosis and follow up of treatment in advanced breast cancer. <b>1989</b> , 15, 61-6	109
876	Ultrastructural metabolic activity following quick-freezing and freeze-substitution in tetrahydrofuran in the superior cervical ganglion. <b>1989</b> , 18, 121-35	1
875	Local cerebral glucose utilization in the hippocampus of old rats. <b>1989</b> , 92, 413-9	15
874	Local cerebral glucose utilization in the autoimmune New Zealand black (NZB) mouse. <b>1989</b> , 92, 343-8	6
873	Functional activity in the accessory optic system during visual, vestibular and visual-vestibular stimulation in the pigeon. <b>1989</b> , 77, 391-7	13
872	Alterations in local cerebral glucose utilization following central administration of corticotropin-releasing factor in rats. <b>1989</b> , 4, 80-7	22
871	Mouse brain c-fos mRNA distribution following a single electroconvulsive shock. <i>Journal of Neurochemistry</i> , <b>1989</b> , 52, 1954-7	99
870	Determination of the deoxyglucose and glucose phosphorylation ratio and the lumped constant in rat brain and a transplantable rat glioma. <i>Journal of Neurochemistry</i> , <b>1989</b> , 53, 37-44	33
869	13C nuclear magnetic resonance evidence for gamma-aminobutyric acid formation via pyruvate carboxylase in rat brain: a metabolic basis for compartmentation. <i>Journal of Neurochemistry</i> , <b>1989</b> , 653, 1285-92	47
868	Simultaneous in vivo monitoring of cerebral deoxyglucose and deoxyglucose-6-phosphate by 13C[1H] nuclear magnetic resonances spectroscopy. <i>Journal of Neurochemistry</i> , <b>1989</b> , 53, 1620-8	19
867	Localization and Characterization of Insulin-Like Growth Factor-I Receptors in Rat Brain and Pituitary Gland Using in vitro Autoradiography and Computerized Densitometry* A Distinct Distribution from Insulin Receptors. <b>1989</b> , 1, 369-77	80

866	Use of PET methods for measurement of cerebral energy metabolism and hemodynamics in cerebrovascular disease. <b>1989</b> , 9, 723-42	149
865	Sequential metabolic changes in rat brain following middle cerebral artery occlusion: a 2-deoxyglucose study. <b>1989</b> , 9, 765-73	91
864	Glycolysis-induced discordance between glucose metabolic rates measured with radiolabeled fluorodeoxyglucose and glucose. <b>1989</b> , 9, 774-85	129
863	Effects of MK-801 upon local cerebral glucose utilisation in conscious rats and in rats anaesthetised with halothane. <b>1989</b> , 9, 786-94	72
862	Quantitative measurements of regional glucose utilization and rate of valine incorporation into proteins by double-tracer autoradiography in the rat brain tumor model. <b>1989</b> , 9, 87-95	23
861	Why the deoxyglucose method has proven so useful in cerebral activation studies: the unappreciated prevalence of stimulation-induced glycolysis. <b>1989</b> , 9, 911-3	33
860	Measurement of blood-brain hexose transport with dynamic PET: comparison of [18F]2-fluoro-2-deoxyglucose and [11C]O-methylglucose. <b>1989</b> , 9, 104-10	10
859	ATP and brain function. <b>1989</b> , 9, 2-19	683
858	Refinement of the kinetic model of the 2-[14C]deoxyglucose method to incorporate effects of intracellular compartmentation in brain. <b>1989</b> , 9, 290-303	37
857	Direct chemical measurement of the lambda of the lumped constant of the [14C]deoxyglucose method in rat brain: effects of arterial plasma glucose level on the distribution spaces of [14C]deoxyglucose and glucose and on lambda. <b>1989</b> , 9, 304-14	35
856	Deoxyglucose kinetics in a rat brain tumor. <b>1989</b> , 9, 315-22	26
855	The deoxyglucose method in the ferret brain. I. Methodological considerations. 1989, 9, 35-42	9
854	The role of cerebral metabolism in determining the local cerebral blood flow effects of volatile anesthetics: evidence for persistent flow-metabolism coupling. <b>1989</b> , 9, 323-8	77
853	Acute thrombotic infarction suppresses metabolic activation of ipsilateral somatosensory cortex: evidence for functional diaschisis. <b>1989</b> , 9, 329-41	59
852	Effects of moderate hypoxemia and unilateral carotid ligation on cerebral glucose metabolism and acid-base balance in the rat. <b>1989</b> , 9, 342-9	10
851	Multicompartmental analysis of [11C]-carfentanil binding to opiate receptors in humans measured by positron emission tomography. <b>1989</b> , 9, 398-409	158
850	The deoxyglucose method in the ferret brain. II. Glucose utilization images and normal values. <b>1989</b> , 9, 43-52	2
849	Preischemic hyperglycemia enhances postischemic depression of cerebral metabolic rate. <b>1989</b> , 9, 478-90	61

848	Local cerebral glucose utilization in chronic middle cerebral artery occlusion in the cat. <b>1989</b> , 9, 535-47	11
847	A cerebral vasoconstrictive effect of some adenosine analogues. A study of adenosine analogues on local cerebral blood flow and glucose utilisation in the rat. <b>1989</b> , 9, 548-55	14
846	Postnatal changes in local cerebral blood flow measured by the quantitative autoradiographic [14C]iodoantipyrine technique in freely moving rats. <b>1989</b> , 9, 579-88	83
845	Kinetic analysis of central [11C]raclopride binding to D2-dopamine receptors studied by PETa comparison to the equilibrium analysis. <b>1989</b> , 9, 696-708	389
844	An alternative procedure for calculating glucose consumption from 2-deoxyglucose uptake. <b>1989</b> , 51, 275-86	1
843	Reduction in [3H]glutamate binding in the visual cortex after unilateral orbital enucleation. <b>1989</b> , 97, 298-304	11
842	Regional cerebral glucose metabolism differs in adult and rigid juvenile forms of Huntington disease. <b>1989</b> , 5, 353-6	6
841	Quantitative [14C]2-deoxyglucose study of a functional dissociation between anterior and posterior cingulate cortices in mice. <b>1989</b> , 101, 223-8	21
840	The effect of chronic ethanol consumption on [14C]deoxyglucose uptake in rat brain in vivo. <b>1989</b> , 100, 181-7	10
839	Localized metabolic responses to optokinetic stimulation in the brain stem nuclei and the cerebellum investigated with the [14C]2-deoxyglucose method in rats. <b>1989</b> , 30, 271-81	6
838	Topographical assessment of accumulated radioactivity from [14C]2-deoxyglucose and [6(-14C)]glucose in rat forebrain at different survival periods. <b>1989</b> , 32, 813-22	13
837	Progressive pathology of the caudate nucleus, the substantia nigra pars reticulata and the deeper layers of the colliculus superior: acute behavioural and metabolic effects of intrastriatal kainic acid. <b>1989</b> , 28, 159-69	18
836	Choline acetyltransferase activity and muscarinic binding in brain regions of aging fischer-344 rats. <b>1989</b> , 14, 483-90	27
835	Arginine vasopressin and body fluid homeostasis in the fetal alcohol exposed rat. <b>1989</b> , 6, 193-8	15
834	Involvement of indoleamines in functional disturbances after brain injury. <b>1989</b> , 13, 353-61	6
833	Procedures, pitfalls and solutions in the production of [18F]2-deoxy-2-fluoro-d-glucose: A paradigm in the routine synthesis of fluorine-18 radiopharmaceuticals. <b>1989</b> , 16, 533-551	1
832	Effects of sinoaortic denervation on glucose utilization in the subfornical organ and pituitary neural lobe during administration of angiotensin II. <b>1989</b> , 10, 103-8	15
831	Tracer kinetic constants and simplified versions of the double-label deoxyglucose method. <b>1989</b> , 30, 558-61	2

830	Mode of [14C] 2-deoxy-D-glucose uptake into retrosplenial cortex and other memory-related structures of the monkey during a delayed response. <b>1989</b> , 22, 829-38	135
829	The 24-h rhythm of metabolic activity of the cockroach circadian pacemaker. <b>1989</b> , 105, 86-90	3
828	Diagnostic interventions in nuclear medicine. <b>1989</b> , 18, 1-37	1
827	Neural mechanisms underlying parkinsonian symptoms based upon regional uptake of 2-deoxyglucose in monkeys exposed to 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine. <b>1989</b> , 32, 213-26	413
826	Low uptake of [3H]2-deoxy-D-glucose by cultured rat Schwann cells. <b>1989</b> , 100, 47-52	3
825	The neural structures involved in cross-modal recognition and tactile discrimination performance: an investigation using 2-DG. <b>1989</b> , 33, 209-27	142
824	Sturge-Weber syndrome: a study of cerebral glucose utilization with positron emission tomography. <b>1989</b> , 114, 244-53	128
823	Effects of dilazep in evolving myocardial infarction in dogs: a biochemical study. <b>1989</b> , 23, 165-71	6
822	Effect of acute respiratory acidosis on multimodality sensory evoked potentials of Long-Evans rats. <b>1989</b> , 8, 155-68	6
821	Different rates of functional development in the two visual systems of the chicken revealed by [14C]2-deoxyglucose. <b>1989</b> , 49, 161-72	25
820	Effect of high-intensity sound on local cerebral glucose utilization in fetal sheep. <b>1989</b> , 48, 1-10	18
819	Effects of methylenedioxymethamphetamine on local cerebral glucose utilization in the rat. <b>1989</b> , 28, 1129-38	29
818	Effects of self-administered phencyclidine on regional uptake of 2-deoxy-D-[1-14C]glucose in brain. <b>1989</b> , 28, 575-83	8
817	Long-term neurochemical and neurobehavioral consequences of cocaine use during pregnancy. <b>1989</b> , 562, 280-9	103
816	SECTION VIII. TRH IN SHOCK AND SPINAL TRAUMA: Effects of TRH on Blood flow and the Microcirculation. <b>1989</b> , 553, 353-369	7
815	Myoclonus epilepsy and ragged-red fibres (MERRF). 1. A clinical, pathological, biochemical, magnetic resonance spectrographic and positron emission tomographic study. <b>1989</b> , 112 ( Pt 5), 1231-60	199
814	RU 24722, a new eburnamine derivative, induces selective alterations in cerebral glucose utilization in freely moving rat. <b>1989</b> , 159, 225-31	5
813	The neuropeptide, Org 5878 (desenkephalin-gamma-endorphin, DE gamma E), affects local cerebral glucose utilization in freely moving rats. <b>1989</b> , 171, 69-78	1

## (2004-1989)

812	Effects of caffeine and doxapram perfusion on local cerebral glucose utilization in conscious rats. <b>1989</b> , 167, 245-54	6
811	Monitoring the transport and phosphorylation of 2-deoxy-D-glucose in tumor cells in vivo and in vitro by 13C nuclear magnetic resonance spectroscopy. <b>1989</b> , 247, 86-90	24
810	Chronic haloperidol administration increases GABA binding and enhances neuronal responsiveness to iontophoresed GABA in rat globus pallidus. <b>1989</b> , 491, 57-67	7
809	Morphine-induced alterations of local cerebral glucose utilization in the basal ganglia of rats. <b>1989</b> , 497, 205-13	20
808	Odor-induced metabolic activity in the olfactory bulb of rats trained to detect propionic acid vapor. <b>1989</b> , 500, 161-8	30
807	Global reduction in cerebral blood flow and metabolism elicited from intrinsic neurons of fastigial nucleus. <b>1989</b> , 500, 177-92	30
806	Involvement of nigrotecto-reticulospinal pathways in the iminodipropionitrile (IDPN) model of spasmodic dyskinesias: a 2-deoxy-D-[1-14C]glucose study in the rat. <b>1989</b> , 484, 57-64	11
805	Dynamic and metabolic quantification of nuclear medicine images in the PET/CT modality. <b>2021</b> , 37, 299-318	
804	Functional Magnetic Resonance Imaging in Sport-Related Concussions. <b>2021</b> , 221-247	
803	Charles Kennedy. <b>2021</b> , 783-785	
802	Effects of nicotine on cerebral metabolism. <b>1990</b> , 152, 131-40; discussion 140-6	2
801	Motor areas on the medial wall of the hemisphere. <b>1998</b> , 218, 64-75; discussion 75-80, 104-8	33
800	Introduction: a multiple factor theory for control of cerebral vascular smooth muscle?. 1978, 3-7	1
799	Photic influences on the developing mammal. <b>1985</b> , 117, 116-28	3
798	PET and SPECT. 1-25	3
797	Emission computed tomography. <b>1979</b> , 147-246	102
796	Evaluation of drug candidates: efficacy readouts during lead optimization. <b>2005</b> , 62, 185-255	7

794	Principles of Quantitation in Cardiac PET. <b>2007</b> , 46-70	1
793	Encyclopedia of Optimization. <b>2008</b> , 2607-2615	4
792	Neurochemical and Behavioural Effects Following Lesions of the Nucleus Basalis in the Rat. <b>1986</b> , 53-62	1
791	Transport of Glucose and Amino Acids in the Central Nervous System. <b>1993</b> , 146-194	1
790	In Vivo Methods for the Rate of Serotonin Synthesis and Axonal Transport Measurements in the Brain. <b>1991</b> , 37-77	2
789	The Area Postrema and Vomiting: How Important is Serotonin?. <b>1991</b> , 79-101	3
788	Glial-neuronal interactions and brain energy metabolism. <b>2004</b> , 279-296	3
787	The Physiological and Biochemical Bases of Functional Brain Imaging. 2008, 327-334	4
786	Positron Emission Tomography of the Brain. <b>1994</b> , 1-22	1
785	Cerebral Circulation of the Fetus and Newborn. <b>1994</b> , 259-269	4
784	Is the EEG Correlated with the Brain Metabolism and Cerebral Blood Flow?. 1993, 109-119	3
783	Brain Metabolism in the Fetus and Neonate. <b>1998</b> , 537-550	2
782	Modeling in the Analysis of the Processes of Uptake and Metabolism in the Whole Organ. <b>1998</b> , 3-27	2
781	Diagnostic Advances in Anatomical and Functional Brain Imaging in Schizophrenia. <b>1990</b> , 163-189	3
780	Effect of Lipid Peroxidation on Glucose Transport in Astrocytes: Potentiation by Ethanol. <b>1989</b> , 215-224	1
779	Concepts and Techniques Used in Metabolic Tracer Studies. <b>1986</b> , 213-231	3
778	A Distributed Network of Context-Dependent Functional Units in the Rat Neostriatum. <b>1994</b> , 215-227	2
777	Cerebral Edema and the Blood-Brain Barrier. <b>1989</b> , 293-309	8

776	Drug Delivery to the Brain by Blood-Brain Barrier Circumvention and Drug Modification. <b>1989</b> , 311-367	38
775	Transport across the Blood-Brain Barrier. <b>1989</b> , 119-136	12
774	Somatic, Articular and Visceral Noxious- Stimulus Evoked Expression of C-FOS in the Spinal Cord of the Rat: Differential Patterns of Activity and Modulation by Analgesic Agents. <b>1989</b> , 365-381	4
773	Utility and Limitations of [18F]2-Deoxy-2-Fluoro-D-Glucose for the Assessment of Flux through Metabolic Pathways in Heart Muscle: A Critical Appraisal. <b>1996</b> , 79-95	3
772	Passive Avoidance Training in the Chick. <b>1986</b> , 233-248	2
771	Studies of Local Blood Flow and Glucose Utilization in Brain by Computer Assisted Autoradiography. <b>1985</b> , 71-87	4
770	The 2-Deoxyglucose Method. <b>1981</b> , 511-538	35
769	Cholecystokinin and Vasoactive Intestinal Polypeptide. <b>1983</b> , 255-306	19
768	Defense Mechanisms and Hope as Protective Factors in Physical and Mental Disorders. <b>1993</b> , 339-359	1
767	Fluorodeoxyglucose (FDG) Positron Emission Tomography (PET). <b>2012</b> , 271-304	1
'		
766	Neuronal Basis of Non-Invasive Functional Imaging: From Microscopic Neurovascular Dynamics to BOLD fMRI. <b>2012</b> , 433-500	6
766 765		2
·	BOLD fMRI. <b>2012</b> , 433-500	
765	BOLD fMRI. <b>2012</b> , 433-500  Cerebral Glucose Transport and Homeostasis. <b>2012</b> , 655-673	2
765 764	Cerebral Glucose Transport and Homeostasis. 2012, 655-673  Studies of Brain Metabolism: A Historical Perspective. 2012, 909-920	12
765 764 763	Cerebral Glucose Transport and Homeostasis. 2012, 655-673  Studies of Brain Metabolism: A Historical Perspective. 2012, 909-920  PET Studies of Brain Metabolism in Exercise Research. 2012, 351-373	12
765 764 763	Cerebral Glucose Transport and Homeostasis. 2012, 655-673  Studies of Brain Metabolism: A Historical Perspective. 2012, 909-920  PET Studies of Brain Metabolism in Exercise Research. 2012, 351-373  Mapping cerebral glutamate 13C turnover and oxygen consumption by in vivo NMR. 2003, 530, 29-39  Estimation of unidirectional clearances of FDG and glucose across the blood-brain barrier in man.	1 1 5

758	Pre-Or Postsynaptic Blocking of Glutamatergic Functioning Prevents the Increase in Glucose Utilization Following Concussive Brain Injury. <b>1992</b> , 327-332	2
757	Pet studies of serotonin synthesis in the human brain. <b>1999</b> , 467, 11-8	20
756	Heterogeneity of brain oxidative metabolism and hypoxia response. Mammalian systems and nature's solutions. <b>1997</b> , 428, 425-32	7
755	PET imaging in soft tissue sarcomas. <b>1997</b> , 91, 51-64	14
754	Effect of Steroids on the Blood-Brain Barrier. <b>1989</b> , 53-76	3
753	Functional brain imaging. <b>1985</b> , 3, 301-15	1
75 <sup>2</sup>	The Deoxyglucose Method for the Measurement of Local Glucose Utilization and the Metabolic Mapping of Functional Neural Pathways in the Central Nervous System. <b>1985</b> , 79-116	1
751	Cerebrospinal Fluid as Reflection of Internal Milieu of Brain. <b>1983</b> , 1-23	25
750	Glycolysis and regulation of cerebral blood flow and metabolism. 1984, 169, 305-14	1
749	Distribution of myocardial glucose consumption under normal conditions and during isoprenaline and dobutamine infusion. <b>1984</b> , 169, 369-80	3
748	Epilepsy. <b>1985</b> , 287-307	1
747	Ischemic Encephalopathy. <b>1985</b> , 79-117	18
746	Energy Metabolism in Focal Seizures. <b>1979</b> , 267-280	2
745	Behavior of the Blood-Brain Barrier (BBB) in Cerebral Ischemia. <b>1979</b> , 99-108	12
744	Changes in blood-brain transfer parameters induced by hyperosmolar intracarotid infusion and by metastatic tumor growth. <b>1980</b> , 131, 307-19	28
743	Anatomical-Behavioral Analyses of Hindbrain Sound Localization Mechanisms. 1981, 263-275	6
742	Hypoglycemia. <b>1983</b> , 353-379	7
741	Measurement of Local Glucose Utilization in the Central Nervous System and Its Relationship to Local Functional Activity. <b>1983</b> , 225-257	5

740	Effect of Drugs on Local Cerebral Glucose Utilization in Traumatized Brain: Mechanisms of Action of Steroids Revisited. <b>1984</b> , 11-26	16
739	Regional Quantitative Biochemistry and Autoradiography of Protein Synthesis and Serum Extravasation in Brain Edema. <b>1984</b> , 27-35	2
738	Transplantation of Newborn Brain Tissue into Adult Kainic-Acid-Lesioned Neostriatum. <b>1984</b> , 361-371	6
737	Regional glucose consumption and oxygen supply in the isolated perfused working rat heart. <b>1984</b> , 180, 721-30	1
736	The Cell Biological Consequences of Passive Avoidance Training in the Chick. 1985, 39-50	3
735	Neurochemical Sequelae of Brain Damage and Their Role in Functional Disturbances. <b>1986</b> , 151-167	6
734	Basal Ganglia Mechanisms Mediating Experimental Dyskinesia in the Monkey. 1987, 377-394	6
733	Microcirculation and Metabolism in Reversible and Irreversible Cerebral Ischemia. <b>1988</b> , 119-133	3
732	Brain Imaging: Positron Emission Tomography and Cognitive Functioning. <b>1988</b> , 189-210	4
731	The Subthalamic Nucleus: New Data, New Questions. <b>1991</b> , 99-108	13
73 <sup>1</sup>	The Subthalamic Nucleus: New Data, New Questions. 1991, 99-108  [14C]-2-Deoxyglucose Autoradiographic Studies of Dopaminergic Drugs in an Animal Model of Parkinson Disease. 1991, 573-579	13
	[14C]-2-Deoxyglucose Autoradiographic Studies of Dopaminergic Drugs in an Animal Model of	
73°	[14C]-2-Deoxyglucose Autoradiographic Studies of Dopaminergic Drugs in an Animal Model of Parkinson Disease. <b>1991</b> , 573-579	1
73° 729	[14C]-2-Deoxyglucose Autoradiographic Studies of Dopaminergic Drugs in an Animal Model of Parkinson Disease. 1991, 573-579  Advances in the Understanding of Neural Mechanisms in Movement Disorders. 1991, 607-616  Immunosuppressive effect of alcohol on hepatic parenchymal and nonparenchymal cell functions	7
73° 729 728	[14C]-2-Deoxyglucose Autoradiographic Studies of Dopaminergic Drugs in an Animal Model of Parkinson Disease. 1991, 573-579  Advances in the Understanding of Neural Mechanisms in Movement Disorders. 1991, 607-616  Immunosuppressive effect of alcohol on hepatic parenchymal and nonparenchymal cell functions following endotoxin. 1991, 288, 255-64  Abnormal brain glucose metabolism in Alzheimer's disease, as measured by position emission	7 3
73° 729 728 727	[14C]-2-Deoxyglucose Autoradiographic Studies of Dopaminergic Drugs in an Animal Model of Parkinson® Disease. 1991, 573-579  Advances in the Understanding of Neural Mechanisms in Movement Disorders. 1991, 607-616  Immunosuppressive effect of alcohol on hepatic parenchymal and nonparenchymal cell functions following endotoxin. 1991, 288, 255-64  Abnormal brain glucose metabolism in Alzheimer's disease, as measured by position emission tomography. 1991, 291, 231-48  Measurement of local cerebral glucose utilization and its relation to local functional activity in the	1 7 3
73° 729 728 727 726	[14C]-2-Deoxyglucose Autoradiographic Studies of Dopaminergic Drugs in an Animal Model of Parkinson® Disease. 1991, 573-579  Advances in the Understanding of Neural Mechanisms in Movement Disorders. 1991, 607-616  Immunosuppressive effect of alcohol on hepatic parenchymal and nonparenchymal cell functions following endotoxin. 1991, 288, 255-64  Abnormal brain glucose metabolism in Alzheimer's disease, as measured by position emission tomography. 1991, 291, 231-48  Measurement of local cerebral glucose utilization and its relation to local functional activity in the brain. 1991, 291, 21-42	1 7 3 44 38

722	The Radioactive Deoxyglucose Method. <b>1982</b> , 1-82	60
721	Regional hemodynamic and metabolic alterations in focal cerebral ischemia: studies of diaschisis. <b>1977</b> , 94, 617-22	12
720	Basal forebrain involvement in self-administration of drugs of abuse. <b>1991</b> , 295, 339-51	2
719	Astrocytes. <b>1982</b> , 319-355	2
718	The Epilepsies. <b>1985</b> , 339-419	3
717	Dynamic Functional Mapping of the Brain Cortex by Its Infrared Radiation. <b>1990</b> , 512-531	2
716	Metabolism of the Brain a Measure of Cellular Function in Aging. <b>1984</b> , 187-210	6
715	Neurobiological Investigations of the Pineal Gland and Its Hormone Melatonin. <b>1983</b> , 437-465	7
714	Principles of Single Photon Emission Computed Tomography and Positron Emission Tomography. <b>2001</b> , 19-29	1
713	The Effect of GM1 on Cerebral Metabolism, Microcirculation and Histology in Focal Ischemia. <b>1986</b> , 397-405	7
712	Molecular Aspects of Nerve Regeneration. <b>1985</b> , 1-29	2
711	Regulation by neurotransmitters of glial energy metabolism. <b>1997</b> , 429, 137-43	11
710	The Role of Acetylcholine in Barrel Cortex. <b>1995</b> , 411-434	6
709	The Anatomy of Speech Perception. <b>1985</b> , 273-327	38
708	Primate Visual Cortex. <b>1994</b> , 141-200	17
707	Metabolic coupling during activation. A cellular view. <b>1997</b> , 413, 161-6	49
706	Neuronal-Vascular Coupling. <b>1997</b> , 167-176	16
705	Functional Activation of Energy Metabolism in Nervous Tissue: Where and Why. <b>1996</b> , 147-169	1

## (2009-1989)

704	Functional Brain Circuitry Related to Arousal and Learning in Rats. <b>1989</b> , 729-765	12
703	Stimulus-Specific Habituation in Toads: 2DG Studies and Lesion Experiments. <b>1989</b> , 767-797	8
702	Visual Associative Learning: Searching for Behaviorally Relevant Brain Structures in Toads. <b>1989</b> , 799-832	10
701	Functional Neural Systems Analyzed by Use of Interregional Correlations of Glucose Metabolism. <b>1989</b> , 873-892	8
700	A comparison of drug conditioning and craving for alcohol and cocaine. <b>1992</b> , 10, 147-64	34
699	The Study of Personality with Positron Emission Tomography. <b>1987</b> , 251-267	21
698	Autoradiographic and biochemical imaging in cerebral ischemia. <b>1993</b> , 333, 273-85	3
697	Positron Emission Tomography and Neuropsychological Function. <b>1989</b> , 65-138	21
696	Transport of Hexoses and Monocarboxylic Acids. <b>1983</b> , 339-354	2
695	Cortical Mechanisms of Reinforcement. <b>1993</b> , 445-460	9
694	Neurovascular Coupling. <b>2015</b> , 67-104	2
693	Locally Measured Neuronal Correlates of Functional MRI Signals. <b>2015</b> , 105-128	3
692	Positron Emission Tomography of Brain Glucose Metabolism with [18F]Fluorodeoxyglucose in Humans. <b>2014</b> , 341-364	5
691	Analysis of circadian rhythms in embryonic stem cells. <b>2015</b> , 1235, 73-9	2
690	Pharmaco-Based fMRI and Neurophysiology in Non-Human Primates. <b>2017</b> , 37-66	1
689	The Genetically Epilepsy-Prone Rat. <b>1987</b> , 57-94	1
688	Quantitative Approaches to Positron Emission Tomography. <b>2007</b> , 155-167	1
687	Dynamic imaging of brain function. <b>2009</b> , 489, 3-21	22

686	Noninvasive Brain Imaging in Small Animal Stroke Models: MRI and PET. <b>2010</b> , 139-165	1
685	Functional Imaging of Cerebral Oxygenation with Intrinsic Optical Contrast and Phosphorescent Probes. <b>2014</b> , 225-253	8
684	Major Advances in Brain Glycogen Research: Understanding of the Roles of Glycogen Have Evolved from Emergency Fuel Reserve to Dynamic, Regulated Participant in Diverse Brain Functions. <b>2019</b> , 23, 1-16	13
683	Technical and Comparative Aspects of Brain Glycogen Metabolism. <b>2019</b> , 23, 169-185	2
682	Glycogenolysis in Cerebral Cortex During Sensory Stimulation, Acute Hypoglycemia, and Exercise: Impact on Astrocytic Energetics, Aerobic Glycolysis, and Astrocyte-Neuron Interactions. <b>2019</b> , 23, 209-267	14
681	Effects of a Chronic Nicotine Infusion on the Local Cerebral Glucose Utilization. <b>1991</b> , 249-252	1
680	Nuclear Medicine Imaging of CNS: Basis and Clinical Applications. 2015, 595-670	O
679	Diagnostic Applications of Nuclear Medicine: Brain Tumors. <b>2017</b> , 467-505	1
678	Molecular imaging-guided gene therapy of gliomas. <b>2008</b> , 341-59	5
677	Brain Metastasis. <b>2011</b> , 373-400	3
676	Locally Measured Neuronal Correlates of Functional MRI Signals. <b>2009</b> , 63-82	
	Locally Measured Nearonal Confedence of Panearonal Mills Signals, 2002, 65 62	4
675	The Biochemistry of Syringomyelia. <b>2014</b> , 261-278	1
6 <sub>75</sub>		
	The Biochemistry of Syringomyelia. <b>2014</b> , 261-278	1
674	The Biochemistry of Syringomyelia. <b>2014</b> , 261-278  Transport and Metabolism of Glucose and FDG. <b>2004</b> , 29-42	1
6 <sub>74</sub>	The Biochemistry of Syringomyelia. <b>2014</b> , 261-278  Transport and Metabolism of Glucose and FDG. <b>2004</b> , 29-42  Serotonin Synthesis Studied with Positron Emission Tomography (PET). <b>2014</b> , 687-709	1 1
674 673	The Biochemistry of Syringomyelia. 2014, 261-278  Transport and Metabolism of Glucose and FDG. 2004, 29-42  Serotonin Synthesis Studied with Positron Emission Tomography (PET). 2014, 687-709  Alzheimer Disease: Disruption of Mind-Brain Relations. 1992, 86-107  Basic Principles Underlying Radioisotopic Methods for Assay of Biochemical Processes in Vivo. 1983	1 1 1

668	The Use of 11C-Methyl-D-Glucose for Assessment of Glucose Transport in the Human Brain; Theory and Application. <b>1983</b> , 408-428	1
667	Molecular Background of 18F-2-deoxy-D-glucose (FDG) Uptake in the Ischemic Heart. <b>2003</b> , 421-441	1
666	Modelling Metabolite and Tracer Kinetics. <b>2003</b> , 121-169	5
665	Regulation of Cerebral Energy Metabolism. <b>2000</b> , 25-34	1
664	The Potential Role of Positron Emission Tomography in Investigation of Microenvironment. 2000, 161-191	1
663	Brain Imaging in Psychiatry. <b>2001</b> , 179-207	1
662	Metabolism and Transport of Glucose and FDG. <b>1999</b> , 43-57	2
661	Blood-Brain Barrier and the Production of Cerebrospinal Fluid. <b>1996</b> , 545-559	1
660	Nicotine. <b>1996</b> , 271-314	4
659	Effects of Normal Aging on Cerebral Circulation and Energy Metabolism. <b>1979</b> , 367-380	12
658	Quantified Regional Cerebral Glucose Consumption, rCBF and Edema, and the Effects of Papaverine, in Cats with Cortical Cold Injury. <b>1980</b> , 261-267	4
657	Cerebral Blood Flow, Electroencephalography, and Behavior. <b>1982</b> , 201-226	1
656	The Relationship Between Brain Edema, Energy Metabolism, Glucose Content and rCBF Investigated by Artificial Brain Abscess in Cats. <b>1982</b> , 214-221	6
655	Age-related changes in local glucose utilization in the brain. <b>1982</b> , Suppl 5, 76-85	6
654	Brain metabolism and blood flow during development and aging of the Fischer-344 rat. <b>1982</b> , Suppl 5, 86-101	16
653	Glucose and energy metabolism of rat cerebral cortex during aging. <b>1982</b> , Suppl 5, 102-11	12
652	Regional cerebral glucose metabolism in aging and senile dementia as determined by 18F-deoxyglucose and positron emission tomography. <b>1982</b> , Suppl 5, 187-95	17
651	Regional Evaluation of Blood Flow and Metabolism in Experimental Brain Tumor of Rats. <b>1983</b> , 429-435	2

650	Measurement of Local Cerebral Glucose Metabolism: Effect of Pathology and Functional Stimulation. <b>1985</b> , 410-418	1
649	The Current State of rCBF, rCMRO2, rCBV, and rCMRGlu Studies at the Hammersmith Hospital. <b>1985</b> , 419-429	2
648	The Central Nervous Connections Involved in the Vomiting Reflex. 1986, 31-55	4
647	Positron Tomography and the Differential Diagnosis and Pathophysiology of Alzheimer Disease. <b>1985</b> , 124-133	2
646	Focal Flow Disturbances in Acute Strokes: Effects on Regional Metabolism and Tissue pH. <b>1985</b> , 85-105	6
645	Regional Cerebral Blood Flow and Glucose Metabolism in Old Age and in Dementia Evaluated by PET. <b>1986</b> , 140-145	3
644	Effects of antidotes on soman-induced brain changes. <b>1986</b> , 9, 333-6	15
643	Electrophysiological and Radiographic Evidence for the Mediation of Memory by an Anatomically Distributed System. <b>1988</b> , 56-87	2
642	Neurobehavioral Analysis of Odor Preference Development in Rodents. <b>1986</b> , 237-242	3
641	Blood Flow and Glucose Consumption in the Optic Nerve; Effects of High Intraocular Pressure. <b>1987</b> , 51-57	6
640	Regional Hemodynamic and Metabolic Disturbances in Experimental Cerebral Ischemia. <b>1987</b> , 233-240	2
639	Pathophysiology of Experimental Brain Infarction. <b>1987</b> , 72-78	1
638	An Experimental Approach to the Study of the Functional Derangement which Follows Aging of the Brain and Dementia. <b>1987</b> , 39-45	1
637	Tissue Respiration. <b>1989</b> , 598-612	6
636	Experimental Models of Sensorineural Hearing Loss Œffects of Noise and Ototoxic Drugs on Hearing. <b>1989</b> , 97-170	8
635	Measurement of Regional Hemodynamic and Metabolic Changes in the Central Nervous System with Imaging Techniques. <b>1989</b> , 345-392	4
634	Optical Mapping of the Olfactory System Activity Using Voltage-Sensitive Dyes. <b>1990</b> , 315-328	1
633	Cellular Metabolic Responses in Endotoxemia, and a Hypothesis for the Mechanism of Hepatic Failure in Endotoxic Shock. <b>1990</b> , 278-294	1

632	Blood-Brain Glucose Transfer. <b>1992</b> , 65-115	21
631	Mental Activity and Changes in Cerebral Blood Flow Evaluated by Transcranial Doppler Sonography. <b>1992</b> , 200-211	3
630	Local Cerebral Blood Flow, Glucose Content and Glucose Utilization in Focal Cerebral Ischemia in Spontaneously Hypertensive Stroke-Prone Rats. <b>1993</b> , 182-185	2
629	Contribution of Positron Emission Tomography to Pharmacokinetic Studies. <b>1994</b> , 455-480	2
628	Spezielle Syntheseverfahren mit kurzlebigen Radionukliden und QualitEskontrolle. <b>1988</b> , 31-117	2
627	Drug Delivery to Brain Tumors. <b>1989</b> , 259-277	1
626	Density of Functioning Cerebral Capillaries in Stroke Patients, Determined by PET. 1989, 339-349	1
625	Biochemical Principles for the Measurement of Metabolic Rates in Vivo. <b>1983</b> , 2-18	5
624	Mapping Local Cerebral Glucose Utilization in Normal Aging and in Cerebrovascular, Degenerative, and Epileptic Disorders. <b>1983</b> , 128-138	3
623	Experimental Application of Triple-Labeled Quantitative Autoradiography for Measurement of Cerebral Blood Flow, Glucose Metabolism, and Protein Biosynthesis. <b>1983</b> , 19-28	12
622	Regional Perfusion and Glucose Uptake Determination with 11C-Methyl-Glucose and Dynamic Positron Emission Tomography. <b>1983</b> , 169-180	6
621	Glycolytic Rate and Histologic Grade of Human Cerebral Gliomas: A Study with [18F]Fluorodeoxyglucose and Positron Emission Tomography. <b>1983</b> , 181-191	12
620	Regional Correlations in Patterns of Glucose Use in Patients with Schizophrenia and Normal Subjects During Mild Pain Stimulation. <b>1983</b> , 196-200	8
619	Evaluation of Regional Glucose Metabolism with Positron Emission Tomography in Normal and Psychiatric Populations. <b>1983</b> , 201-206	9
618	Discrepancy Between Glucose Availability and Calculated Glucose Consumption During Acute Brain Ischemia. <b>1983</b> , 232-233	2
617	Biochemical Parameters in Radiopharmaceutical Design. <b>1983</b> , 65-76	6
616	The ontogeny of cerebral metabolism. <b>1998</b> , 89-96	2
615	Brain Metastasis. <b>2002</b> , 253-276	2

614	Gewebsatmung. <b>1985</b> , 558-572	1
613	Functional exploration for neuropathic pain. <b>2011</b> , 25-63	2
612	The in vivo metabolic investigation of brain gliomas with positron emission tomography. <b>1998</b> , 24, 41-76	4
611	Post-ischaemic treatment with the prostacycline analogue TTC-909 reduces ischaemic brain injury. <b>1990</b> , 51, 242-4	2
610	Pathophysiology of central (thalamic) pain: a possible role of the intralaminar nuclei in superficial pain. <b>1991</b> , 52, 133-6	12
609	Mapping of cerebral energy metabolism in rats with genetic generalized nonconvulsive epilepsy. <b>1992</b> , 35, 141-53	14
608	The FDG model and its application in clinical PET studies. <b>1992</b> , 37, 39-52	4
60 <del>7</del>	NE/DA interactions in prefrontal cortex and their possible roles as neuromodulators in schizophrenia. <b>1992</b> , 36, 135-62	14
606	Ischemia as an excitotoxic lesion: protection against hippocampal nerve cell loss by denervation. <b>1993</b> , 57, 94-101	7
605	Metabolic changes following cortical contusion: relationships to edema and morphological changes. <b>1994</b> , 60, 446-8	32
604	PET-study of intracranial meningiomas: correlation with histopathology, cellularity and proliferation rate. <b>1996</b> , 65, 108-11	31
603	Molecular mechanisms of acidosis-mediated damage. <b>1996</b> , 66, 8-14	73
602	Three-dimensional metabolic and hemodynamic imaging of the normal and ischemic rat brain. <b>1996</b> , 66, 44-9	4
601	Historical Review of Developments in the Field of Cerebral Blood Flow and Metabolism. 2001, 3-10	2
600	Neuroimaging studies on ketamine. <b>2004</b> , 881-891	1
599	MR Imaging in Hyperacute Stroke. <b>1996</b> , 99-102	3
598	Mapping cerebral metabolic and blood flow effects of general anaesthetics. 2003, 877-889	1
597	Short-lived isotope kinetics: a window to the inside. <b>1988</b> , 21-53	7

596	Progress in cardiac positron emission tomography with emphasis on carbon-11 labeled palmitate and oxygen-15 labeled water. <b>1987</b> , 203-240	1
595	Assessment of glucose utilization in normal and ischemic myocardium with positron emission tomography and 18F-deoxyglucose. <b>1987</b> , 241-263	2
594	Oxygen and glucose uptakes in the early chick embryo. <b>1984</b> , 299-309	10
593	The Interrelationships of Cerebral Blood Flow and Cerebral Metabolism and its Study with Positron Emission Tomography in Man. <b>1983</b> , 407-435	3
592	3-(11C)-Methyl-D-Glucose, an Agent for the Assessment of Regional Glucose Transport Across the Blood-Brain Barrier. <b>1982</b> , 199-211	3
591	Positron-Emission Tomography. <b>1980</b> , 246-253	4
590	Quantitative Aspects of Osmotic Opening of the Blood-Brain Barrier. <b>1980</b> , 100-114	2
589	Pharmacokinetics and Metastatic Brain Tumor Chemotherapy. <b>1980</b> , 146-164	9
588	Carbon-11 Labeled Tyrosine as a Probe for Modelling the Protein Synthesis Rate. <b>1993</b> , 161-174	4
587	Investigation of Abnormal Left Temporal Functioning in Dyslexia Through rCBF, Auditory Evoked Potentials, and Positron Emisson Tomography. <b>1991</b> , 191-205	1
586	Imaging Techniques In Studies Of Neural Functions. <b>1992</b> , 1-37	9
585	Integration of Circadian and Visual Function in Mammals and Birds: Brain Imaging and the Role of Melatonin in Biological Clock Regulation. <b>1992</b> , 299-317	5
584	Investigations into Time-Dependent Metabolic Changes During Memory Processing in the Mouse Brain Using (14C) Deoxyglucose and (14C)-Glucose <b>1992</b> , 389-407	5
583	Localization of Learning-related Metabolical Changes in Brain Structures of Common Toads: a 2-DG-study. <b>1992</b> , 409-445	1
582	Learning-Related Plasticity of Gerbil Auditory Cortex: Feature Maps Versus Meaning Maps. <b>1992</b> , 447-474	12
581	Brain Imaging of Auditory Learning Functions in Rats: Studies with Fluorodeoxyglucose Autoradiography and Cytochrome Oxidase Histochemistry. <b>1992</b> , 39-109	43
580	Brain Metabolic Mapping and Behaviour: Assessing the Effects of Early Developmental Experiences in Adult Animals. <b>1992</b> , 125-149	11
579	High Resolution Autoradiographic Imaging of Brain Activity Patterns with 2-Deoxyglucose: Regional Topographic and Cellular Analysis. <b>1992</b> , 151-172	3

578	Covariance Analysis of Functional Interactions in the Brain Using Metabolic and Blood Flow Data. <b>1992</b> , 189-217	28
577	The Application of Structural Modeling to Metabolic Mapping of Functional Neural Systems. <b>1992</b> , 219-255	12
576	Investigation of the Dopamine System with Positron Emission Tomography: General Issues in Modelling. <b>1991</b> , 65-83	4
575	Quantification of FDG Uptake Using Kinetic Models. <b>1998</b> , 153-162	1
574	Biochemical Factors Associated with the Sleep State. <b>1982</b> , 47-62	2
573	How to measure drug transport across the blood-brain barrier. <b>2005</b> , 2, 15-26	1
572	Kinetic modeling and parametric imaging with dynamic PET for oncological applications: general considerations, current clinical applications, and future perspectives. <b>2021</b> , 48, 21-39	32
571	Cerebral Metabolism and Blood Flow. <b>2003</b> , 609-617	1
570	Comparative Aspects of Energy Metabolism in Nonmammalian Brains Under Normoxic and Hypoxic Conditions. <b>1981</b> , 87-109	8
569	BIOCHEMICAL APPROACH TO THE STUDIES ON PLASTICITY OF CEREBRAL CORTEX OF VISUALLY DEPRIVED CATS. <b>1980</b> , 353-378	2
568	REGULATION AND ADAPTATION OF SUBSTRATE TRANSPORT TO BRAIN. 1981, 307-315	2
567	POSITRON EMISSION TOMOGRAPHY IN NEUROPSYCHOLOGY. <b>1986</b> , 141-149	1
566	Molecular and Cell Biological Aspects of Learning: Toward a Theory of Memory. 1982, 97-141	29
565	Autoradiographic determination of local cerebral glucose metabolism: physiological and pathological studies. <b>1983</b> , 10, 67-133	6
564	Positron emission tomographic studies of local cerebral glucose metabolism in humans in physiological and pathophysiological conditions. <b>1983</b> , 10, 135-76	23
563	Glucose transfer across the bloodbrain barrier. <b>1983</b> , 10, 177-92	11
562	Somatosensory Development. <b>1981</b> , 259-292	12
561	Regional cerebral metabolic rate of glucose measured by 18F-DG PET in Huntington's disease, benign hereditary chorea and Wilson's disease. <b>1990</b> , 119-133	1

560	Cerebral Metabolism in Aging and Dementia. <b>1992</b> , 201-228	6
559	Effects of Sexual Behavior on Gonadal Function in Rodents. <b>1989</b> , 227-269	1
558	2-Deoxyglucose Studies of Stimulus Coding in the Brainstem Auditory System of the Cat. <b>1984</b> , 8, 79-97	8
557	High-Resolution Autoradiographic Imaging of Brain Activity Patterns with Radiolabeled 2-Deoxyglucose and Glucose. <b>1990,</b> 50-64	9
556	Double- and Single-Label Quantitative Autoradiography for Cerebral Physiology. <b>1990</b> , 3, 64-89	2
555	Computer-Assisted Methods for Analyzing Images of Olfactory Bulb. <b>1992</b> , 419-439	1
554	Functional and Neurochemical Mechanisms of Cerebral Lateralization in Rats. 1985, 157-183	36
553	BIOCHEMICAL CORRELATES OF LEARNING AND MEMORY. <b>1986</b> , 165-201	4
552	PLASTICITY OF THE RAT CORTICAL BARREL SYSTEM. <b>1982</b> , 49-68	29
551	Sleep and the Cerebral Circulation. <b>1980</b> , 57-95	10
551 550	Sleep and the Cerebral Circulation. <b>1980</b> , 57-95  BIOCHEMICAL STUDIES OF REGIONAL BRAIN ACTIVITIES DURING EMOTIONAL BEHAVIOR. <b>1986</b> , 381-393	10
550	BIOCHEMICAL STUDIES OF REGIONAL BRAIN ACTIVITIES DURING EMOTIONAL BEHAVIOR. <b>1986</b> , 381-393	1
55° 549	BIOCHEMICAL STUDIES OF REGIONAL BRAIN ACTIVITIES DURING EMOTIONAL BEHAVIOR. <b>1986</b> , 381-393  GLUCOPRIVATION AND THE GLUCOPRIVIC CONTROL OF FOOD INTAKE. <b>1986</b> , 271-313	1 13
550 549 548	BIOCHEMICAL STUDIES OF REGIONAL BRAIN ACTIVITIES DURING EMOTIONAL BEHAVIOR. 1986, 381-393  GLUCOPRIVATION AND THE GLUCOPRIVIC CONTROL OF FOOD INTAKE. 1986, 271-313  Development of Inferior Colliculus and Binaural Audition. 1983, 121-166	1 13 7
55° 549 548 547	BIOCHEMICAL STUDIES OF REGIONAL BRAIN ACTIVITIES DURING EMOTIONAL BEHAVIOR. 1986, 381-393  GLUCOPRIVATION AND THE GLUCOPRIVIC CONTROL OF FOOD INTAKE. 1986, 271-313  Development of Inferior Colliculus and Binaural Audition. 1983, 121-166  Geometric and Scaling Issues in Topographic Electroencephalography. 1986, 325-337	1 13 7 8
550 549 548 547 546	BIOCHEMICAL STUDIES OF REGIONAL BRAIN ACTIVITIES DURING EMOTIONAL BEHAVIOR. 1986, 381-393  GLUCOPRIVATION AND THE GLUCOPRIVIC CONTROL OF FOOD INTAKE. 1986, 271-313  Development of Inferior Colliculus and Binaural Audition. 1983, 121-166  Geometric and Scaling Issues in Topographic Electroencephalography. 1986, 325-337  Perinatal Brain Metabolism. 2004, 1713-1725	1 13 7 8

542	Functional Brain Studies of the Neurometabolic Bases of Cognitive and Behavioral Changes in Alzheimer's Disease. <b>2001</b> , 227-242	1
541	Generation of Parametric Images Using Factor Analysis of Dynamic PET. <b>1996</b> , 292-296	4
540	2-Deoxyglucose Architecture of Cat Primary Visual Cortex. <b>2002</b> , 167-193	5
539	Tracer Kinetic Modeling via Basis Pursuit. <b>2002</b> , 115-121	2
538	Small Animal PET Systems. 2004, 213-228	1
537	Cellular Mechanisms of Brain Energy Metabolism. <b>2011</b> , 123-146	3
536	Cerebral Blood Flow and Metabolism and Cerebral Ischemia. <b>2011</b> , 3537-3562	2
535	Reinventing Molecular Imaging with Total-Body PET, Part I: Technical Revolution in Evolution. <b>2020</b> , 15, 427-438	8
534	Action perception and motor imagery: Mental practice of action. <b>2019</b> , 175, 107-125	20
533	The quantitative determination of the in vivo dephosphorylation of glucose 6-phosphate in rat brain <b>1982</b> , 257, 11358-11363	45
532	Contribution of different organs to increased glucose consumption after endotoxin administration <b>1987</b> , 262, 10965-10970	102
531	Determination of creatine kinase kinetic parameters in rat brain by NMR magnetization transfer. Correlation with brain function. <b>1993</b> , 268, 13166-13171	83
530	Exercise-induced translocation of protein kinase C and production of diacylglycerol and phosphatidic acid in rat skeletal muscle in vivo. <b>1989</b> , 264, 17704-17711	74
529	Delivery and turnover of plasma-derived essential PUFAs in mammalian brain. 2001, 42, 678-685	241
528	Development and initial evaluation of a novel method for assessing tissue-specific plasma free fatty acid utilization in vivo using (R)-2-bromopalmitate tracer. <b>1999</b> , 40, 1155-1169	44
527	Positron Tomography in Ischemic Cerebrovascular Disease. <b>1983</b> , 1, 183-200	42
526	Blood Flow And Metabolism By Pet. <b>1994</b> , 12, 303-315	13
525	EVALUATION OF THE BRAIN BY POSITRON EMISSION TOMOGRAPHY. <b>1993</b> , 19, 765-794	10

524	Cortical metabolic patterns in schizophrenia: a mismatch with the positive-negative paradigm. <b>1991</b> , 6, 7-19	4
523	Brain energy metabolism and the physiological basis of the haemodynamic response. <b>2001</b> , 38-67	4
522	Nobel Lecture, David H. Hubel Nobel Lecture, Torsten N. Wiesel. <b>2004</b> , 657-704	1
521	Future of positron-emission tomography in oncology. <b>1998</b> , 227, 324-5	5
520	Evaluation of standardized uptake value to assess cerebral glucose metabolism. 2000, 25, 11-6	13
519	Effect of Deep Pentobarbital Anesthesia on Neurotransmitter Metabolism In Vivo: On the Correlation of Total Glucose Consumption With Glutamatergic Action. <b>2002</b> , 1343-1351	37
518	Positron Emission Tomography Compartmental Models: A Basis Pursuit Strategy for Kinetic Modeling. <b>2002</b> , 1425-1439	73
517	Brain Incorporation of [11C]Arachidonic Acid in Young Healthy Humans Measured With Positron Emission Tomography. <b>2002</b> , 1453-1462	26
516	Generalized Sensory Stimulation of Conscious Rats Increases Labeling of Oxidative Pathways of Glucose Metabolism When the Brain Glucose???Oxygen Uptake Ratio Rises. <b>2002</b> , 1490-1502	34
515	Regional Cerebral Blood Flow and BOLD Responses in Conscious and Anesthetized Rats Under Basal and Hypercapnic Conditions: Implications for Functional MRI Studies. <b>2003</b> , 472-481	92
514	Neurophysiologic basis of functional neuroimaging: animal studies. <b>2000</b> , 17, 2-9	9
513	Simultaneous emission and transmission (SET) scanning in neurological PET studies. <b>1997</b> , 21, 487-97	9
512	Decreased cerebral glucose utilization in rats during the ebb phase of thermal injury. <b>1996</b> , 40, 930-5	16
511	Measurement of muscle protein synthesis by positron emission tomography with L-[methyl-11C]methionine: effects of transamination and transmethylation. <b>1999</b> , 47, 341-5	3
510	Title: Time to wake up: Studying neurovascular coupling and brain-wide circuit function in the un-anesthetized animal.	1
509	Metabolic and haemodynamic resting-state connectivity of the human brain: a high-temporal resolution simultaneous BOLD-fMRI and FDG-fPET multimodality study.	2
508	Iba1+ Microglia Exhibit Morphological Differences between Inferior Colliculus Sub-Regions and Their Abutments onto GAD67+ Somata Reveal Two Novel Sub-types of GABAergic Neuron.	1
507	Analysis of continuous infusion functional PET (fPET) in the human brain.	3

506	System neuroscience: Past, present, and future. <b>2018</b> , 24, 685-693	6
505	Effects of TRH on blood flow and the microcirculation. <b>1989</b> , 553, 353-69	15
504	Metabolic complexities in cardiac imaging. <b>1995</b> , 91, 2299-301	1
503	Fundamental limitations of [18F]2-deoxy-2-fluoro-D-glucose for assessing myocardial glucose uptake. <b>1995</b> , 91, 2435-44	75
502	Impaired maze learning and cerebral glucose utilization in aged hypertensive rats. <b>1995</b> , 25, 545-53	41
501	Correlation between glucose utilization and metabolite levels during focal ischemia in cat brain. <b>1980</b> , 11, 79-84	54
500	Chronic depression of glucose metabolism in postischemic rat brains. <b>1995</b> , 26, 1107-13	13
499	Insulin resistance of glucose uptake in skeletal muscle cannot be ameliorated by enhancing endothelium-dependent blood flow in obesity. <b>1998</b> , 101, 1156-62	93
498	Cerebral glucose metabolism after portacaval shunting in the rat. Patterns of metabolism and implications for the pathogenesis of hepatic encephalopathy. <b>1986</b> , 78, 86-95	38
497	Effects of nonesterified fatty acid availability on tissue-specific glucose utilization in rats in vivo. <b>1988</b> , 82, 293-9	91
496	Glucose utilization in a patient with hepatoma and hypoglycemia. Assessment by a positron emission tomography. <b>1992</b> , 89, 1958-63	50
495	Compartmentation of hexokinase in rat heart. A critical factor for tracer kinetic analysis of myocardial glucose metabolism. <b>1992</b> , 90, 1972-7	57
494	Insulin resistance in liver cirrhosis. Positron-emission tomography scan analysis of skeletal muscle glucose metabolism. <b>1993</b> , 91, 1897-902	81
	Different alterations in the insulin-stimulated glucose uptake in the athlete's heart and skeletal	34
493	muscle. <b>1994</b> , 93, 2267-74	
493 492		113
	muscle. <b>1994</b> , 93, 2267-74  Role of blood flow in regulating insulin-stimulated glucose uptake in humans. Studies using bradykinin, [150]water, and [18F]fluoro-deoxy-glucose and positron emission tomography. <b>1996</b> ,	
492	muscle. <b>1994</b> , 93, 2267-74  Role of blood flow in regulating insulin-stimulated glucose uptake in humans. Studies using bradykinin, [150]water, and [18F]fluoro-deoxy-glucose and positron emission tomography. <b>1996</b> , 97, 1741-7  Intact insulin stimulation of skeletal muscle blood flow, its heterogeneity and redistribution, but	113

488	Glucosensing Neurons in the Central Nervous System. <b>1999</b> ,	1
487	Cerebral energy metabolism and blood flow. <b>1999</b> ,	1
486	Cerebral glucose metabolism is decreased in white matter changes in patients with phenylketonuria. <b>1996</b> , 40, 21-4	26
485	[18F]fluorodeoxyglucose uptake in neonatal acute lung injury measured by positron emission tomography. <b>1997</b> , 41, 892-6	16
484	Effect of carbon dioxide on cerebral metabolism during hypoxia-ischemia in the immature rat. <b>1997</b> , 42, 24-9	97
483	Regional cerebral glucose utilization in immature fetal guinea pigs during maternal isocapnic hypoxemia. <b>1997</b> , 42, 311-6	4
482	Magnesium and the N-methyl-D-aspartate receptor antagonist dizocilpine maleate neither increase glucose use nor induce a 72-kilodalton heat shock protein expression in the immature rat brain. <b>1997</b> , 42, 472-7	5
481	Effect of primary congenital hypothyroidism upon expression of genes mediating murine brain glucose uptake. <b>1999</b> , 45, 718-25	4
480	GLUT1-deficiency: barbiturates potentiate haploinsufficiency in vitro. <b>1999</b> , 46, 677-83	50
479	Prenatal blockade of vasoactive intestinal peptide alters cell death and synaptic equipment in the murine neocortex. <b>2000</b> , 47, 53-63	17
478	Failure of cerebral blood flow-metabolism coupling after acute subdural hematoma in the rat. <b>1992</b> , 31, 1062-71; discussion 1071	34
477	Methylphenidate attenuates limbic brain inhibition after cocaine-cues exposure in cocaine abusers. <b>2010</b> , 5, e11509	43
476	Fiber pathway pathology, synapse loss and decline of cortical function in schizophrenia. 2013, 8, e60518	11
475	Learning-Induced Gene Expression in the Hippocampus Reveals a Role of Neuron -Astrocyte Metabolic Coupling in Long Term Memory. <b>2015</b> , 10, e0141568	60
474	Cortically driven immediate-early gene expression reflects modular influence of sensorimotor cortex on identified striatal neurons in the squirrel monkey. <b>1997</b> , 17, 2477-91	167
473	Glucose utilisation during status epilepticus in an epilepsy model induced by pilocarpine: a qualitative study. <b>2002</b> , 60, 198-203	11
472	Effect of F-FDG uptake time on lesion detectability in PET imaging of early stage breast cancer. <b>2015</b> , 1, 53-60	11
47 <sup>1</sup>	Longitudinal evaluation of myocardial glucose metabolism and contractile function in obese type 2 diabetic db/db mice using small-animal dynamic F-FDG PET and echocardiography. <b>2017</b> , 8, 87795-87808	6

470	The potential of "C-acetate PET for monitoring the Fatty acid synthesis pathway in Tumors. <b>2013</b> , 14, 300-12	16
469	Insulin Tolerance Test under Anaesthesia to Measure Tissue-specific Insulin-stimulated Glucose Disposal. <b>2019</b> , 9, e3146	4
468	Future prospects of transplantation therapy for neurological diseases using adult bone marrow stromal cells. <b>2006</b> , 1, 215-226	2
467	RECENT PROGRESS IN RESEARCH ON AUDITORY MECHANISMS. <b>1985</b> , 6, 1-12	1
466	A classification of NOergic neurons in the inferior colliculus of rat according to co-existence with classical amino acid transmitters. <b>2008</b> , 85, 17-27	7
465	A Pioneering Paper That Provided a Tool for Accurate, Observer-Independent Analysis of F-FDG Brain Scans in Neurodegenerative Dementias. <b>2020</b> , 61, 140S-141S	1
464	Quantitative and Functional Magnetic Resonance Imaging Techniques. <b>2016</b> , 175-214	1
463	The integration of metabolic imaging in stereotactic procedures including radiosurgery: a review. <b>2002</b> , 97, 542-550	39
462	Energetics and stochastic dynamics of intraneuron transport. <b>2016</b> , 186, 125-145	3
461	Glucose attenuation of scopolamine- and age-induced deficits in spontaneous alternation behavior and regional brain [3H]2-deoxyglucose uptake in mice. <b>1992</b> , 20, 270-279	27
460	Advances in the Use of Visual Imaging: Techniques in Mental Illness. 1983, 13, 420-426	1
459	Positron Emission Tomography in Psychiatric Disorders. <b>1985</b> , 15, 268-271	2
458	FDG and Amyloid PET in Cognitively Normal Individuals at Risk for Late-Onset Alzheimer's Disease. <b>2014</b> , 4, 15-26	23
457	The Evolution of Myelin: Theories and Application to Human Disease. <b>2017</b> , 5, 1-23	9
456	Exploring new frontiers in molecular imaging: Emergence of Ga PET/CT. <b>2010</b> , 2, 55-67	6
455	Molecular imaging of movement disorders. <b>2016</b> , 8, 226-39	11
454	Comparison of different quantification methods for 18F-fluorodeoxyglucose-positron emission tomography studies in rat brains. <b>2019</b> , 74, e1273	4
453	The Neuroprotective Effects of Exercise on Cognitive Decline: A Preventive Approach to Alzheimer Disease. <b>2020</b> , 12, e6958	6

452	Slow TCA flux implies low ATP production in tumors.	2
45 <sup>1</sup>	Microglial activation states drive glucose uptake and FDG-PET alterations in neurodegenerative diseases. <b>2021</b> , 13, eabe5640	15
450	Endocrine/neuroendocrine tumors. <b>2000</b> , 345-354	
449	FDG: biochemical concept and radiochemical synthesis. <b>2000</b> , 55-65	
448	Bildgebende Forschung bei DrogenmiBrauch. <b>2000</b> , 579-599	
447	Image reconstruction, quantification and standard uptake value. <b>2000</b> , 17-32	
446	Basic CNS Drug Transport and Binding Kinetics In Vivo. <b>2000</b> ,	
445	Brain Energy Metabolism: Cellular Aspects and Relevance to Functional Brain Imaging. <b>2001</b> , 203-209	
444	A Less-Sensitive to Noise Spectral Analysis Method. <b>2001</b> , 165-169	
443	Partition Volume and Regional Binding Potentials of Serotonin Receptor and Transporter Ligands. <b>2001</b> , 257-263	
442	References. <b>2001</b> , 326-336	O
441	Validation of Noninvasive Quantification Technique for Neurologic FDG-PET Studies. <b>2001</b> , 121-125	1
440	Regional FDG Lumped Constant in the Normal Human Brain. <b>2001</b> , 115-120	
439	Imaging Studies in Substance Abuse. <b>2001</b> , 2153-2165	
438	Concurrent Characterization of Local Spinal Cord Glucose Utilization and 3H-Phorbol 12, 13 Dibutylate Bindings in Inflammatory Pain State Induced by Paw Injection of Mustard Oil in Rats. <b>2001</b> , 55, 137-145	
437	Structures outside the basal ganglia may compensate for dopamine loss in the presymptomatic stages of Parkinson's disease. <b>2001</b> , 15, 1092-1094	1
436	Local Cerebral Glucose Utilization Rates in Alcohol-Na??ve High???Alcohol-Drinking (HAD) and Low???Alcohol-Drinking (LAD) Rats. <b>2001</b> , 25, 517-523	
435	Alcohol-Na??ve Alcohol-Preferring (P) Rats Exhibit Higher Local Cerebral Glucose Utilization Than Alcohol-Nonpreferring (NP) and Wistar Rats. <b>2001</b> , 25, 1309-1316	

434	^F-FDG PET?????????? : ????????(?65???????????????). <b>2001</b> , 9, 273-280
433	Methods of cerebral blood flow measurements. <b>2002</b> , 1-11
432	Intraorgan Heterogeneity of Blood Flow, Oxygen Consumption and Tissue Oxygenation. 2002, 14-35
431	Potassium channels. <b>2002</b> , 134-163
430	Functional Magnetic Resonance Imaging. <b>2002</b> , 92-134
429	Functional and Molecular Imaging Using Positron Emission Tomography. <b>2003</b> , 295-314
428	Compound Delivery and Local Blood Flows. 2003, 171-198
427	Labeled Agents as Tracers and Carriers: Theory and Practice. <b>2003</b> , 85-97
426	Coupling and Compartmentation of Cerebral Blood Flow and Metabolism. 2003, 72-95
425	18F: Labeling Chemistry and Labeled Compounds. <b>2003</b> , 1465-1507
424	Measurements of Biochemical Reactions In Vivo. <b>2003</b> , 3-29
423	Nuclear (PET/SPECT) Imaging of Gene Expression: Methods and Applications. <b>2003</b> , 653-696
422	Emission Imaging. 2003,
421	Principles of Positron Emission Tomography Imaging. <b>2004</b> , 3-30
420	Perfusion Tracers: Biological Bases and Clinical Implications. <b>2004</b> , 33-44
419	Small-Animal PET in Neuro-oncology and Gene Therapy. <b>2004</b> , 87-97
418	Functional Magnetic Resonance Imaging in Conscious Marmoset Monkeys: Methods and Applications in Neuroscience Research. <b>2005</b> , 353-369
417	Imaging: Positron Emission Tomography (PET). <b>2005</b> , 387-402

416	The central role of astrocytes in neurometabolic coupling: A decade's perspective. <b>2005</b> , 25, S71-S71	
415	Quantitative measurement of cerebral metabolic rate of glucose by means of dual-head coincidence gamma camera and 2-deoxy-2- [18F] fluoro-D-glucose. <b>2005</b> , 25, S670-S670	
414	Overview of PET in Epilepsy and Epilepsy Surgery. <b>2005</b> , 353-382	
413	Electrical spinal, internal capsular or cortical stimulation treatment for central (thalamic) pain . <b>2006</b> , 21, 17-24	
412	The Developing Brain. <b>2006</b> , 323-333	
411	Neurosurgery in Neuroscience, Neurosciene in Neurosurgery. <b>2006</b> , 52, 182-196	
410	Functional Brain Imaging. 551-599	
409	Grasping an object: one movement, several components. <b>1998</b> , 218, 5-16; discussion 16-20	26
408	Data Modeling and Simulation. 2008, 115-136	
407	Pharmacokinetics Application in Biophysics Experiments. <b>2008</b> , 211-228	
406	References. <b>2008</b> , 309-317	
405	Osmotic opening of the blood-brain barrier. <b>1978</b> , 237-55	5
404	Epilepsia e neuroproteß: o papel do agonista adenosinfigico A1(RPia) na modulaß da crise induzida por pilocarpina. <b>2008</b> , 14, 106-110	1
403	Leading Toward a Unified Cortico-basal Ganglia Functional Model. <b>2009</b> , 1-20	
402	Positron Emission Tomography and Colorectal Cancer. <b>2009</b> , 209-226	
401	Positron Emission Tomography. <b>2009</b> , 371-378	
400	Surgically Unresectable and Chemotherapy-Refractory Metastatic Liver Carcinoma: Treatment with Yttrium-90 Microsphere Followed by Assessment with Positron Emission Tomography. <b>2009</b> , 103-114	
399	INCREASED CEREBRAL UPTAKE OF [18F]FLUORO-DEOXYGLUCOSE BUT NOT [1-14C]GLUCOSE EARLY FOLLOWING TRAUMATIC BRAIN INJURY IN RATS. 110306202455053	

398	Molecular Imaging: Basic Approaches. <b>2010</b> , 105-119
397	Nuclear Cardiology: SPECT and PET. <b>2010</b> , 219-250
396	References. <b>2010</b> , 591-616
395	Anatomische Untersuchung des Nervensystems. <b>2010</b> , 125-143
394	Tracer Kinetic Modeling: Methodology and Applications. 2010, 353-376
393	References. <b>2010</b> , 335-393
392	Perinatal Brain Metabolism. <b>2011</b> , 1783-1796
391	Foreword: Remarks on the History of Brain Revascularization. <b>2011</b> , xv-xxxviii
390	Measurement of the Optic Nerve Head Blood Flow. <b>2011</b> , 111-127
389	Neurologie. <b>2011</b> , 985-1013
388	Models of Complex Partial Seizures: Animal Studies. <b>2012</b> , 153-166
387	Metabolism and Epilepsy. <b>2012</b> , 15-27
386	PET in Cardiovascular Diseases. <b>2013</b> , 255-331
385	Use of PET in Neurology and Psychiatry. <b>2013</b> , 333-376
384	Radiotracer Perspective on Cerebral Compartmentation. 2012, 993-1003
383	Tools to Enhance the Contrast in MR Images: From Lanthanide Complexes and Iron Oxide Particles to MEMRI. <b>2012</b> , 79-132
382	Tracer Imaging. <b>2012</b> , 215-247
381	Positron Emission Tomography (PET) Imaging. <b>2013</b> , 1-11

## (1981-2013)

380	Brain Hypometabolism, Oxidative Stress, Maternal Transmission, and Risk of Late-Onset Alzheimer Disease. <b>2013</b> , 137-157
379	Energy Metabolism   Carbohydrate Metabolism in the Central Nervous System. <b>2013</b> , 280-285
378	Imaging in Drug Development. <b>2014</b> , 731-746
377	Hybrid Imaging: From Anatomy to Function. <b>2014</b> , 51-79
376	Effects on Blood Supply and on Arterial and Venous Tonus. <b>2014</b> , 1-91
375	Nuclear Imaging in Frontotemporal Dementia. <b>2014</b> , 339-357
374	18F-Fluorodeoxyglucose PET Procedures: Health Economic Aspects in Neurology. <b>2014</b> , 31-57
373	Functional Magnetic Resonance Imaging in Mild Traumatic Brain Injury. <b>2014</b> , 249-270
372	Coupling of Functional Activity and Energy Metabolism in Brain. 1979, 212-231
371	Hirndurchblutung bei normaler und pathologischer psychischer AktivitEl 1980, 1-15
370	Metabolic Studies with Positron Emission Tomography. <b>1980</b> , 218-223
369	APPLICATION OF THE QUANTITATIVE 2-DEOXY-D-GLUCOSE METHOD TO THE MOUSE. <b>1980</b> , 623
368	Metabolic alterations in an animal model of Huntington's disease using the 14C-deoxyglucose method. <b>1980</b> , 103-9
367	Methoden der Probenentnahme, -aufbereitung und -kultur. <b>1980</b> , 1-30
366	Recent Developments in the Measurement of Cerebral Hemodynamics and Metabolism. 1980, 6-11
365	Symposium: Substratumsatz menschlicher Gewebe bei normalem und gestftem Stoffwechsel. <b>1981</b> , 1442-1513
364	Introduction. <b>1981</b> , 7-11
363	Steady State Radioisotopic Assessment of Brain Function. <b>1981</b> , 1-7

362	Mapping Local Cerebral Functional Activity by Measurement of Local Cerebral Glucose Utilization with the [14C] Deoxyglucose Method. <b>1981</b> , 1-18
361	LOCAL COUPLING OF METABOLISM AND BLOOD FLOW IN THE BRAIN. <b>1981</b> , 147-156
360	CEREBRAL BLOOD FLOW AND METABOLISM IN THE SHEEP FOETUS. <b>1981</b> , 119-126
359	Subcortical Stimulation for Motivation and Reinforcement. <b>1981</b> , 141-171
358	The Biochemistry of Photoreceptor Cells. <b>1981</b> , 107-117
357	RADIOTRACERS FOR CEREBRAL BLOOD FLOW AND EMISSION TOMOGRAPHY. <b>1982</b> , 271-286
356	Inter-Cell Regulation of Metabolism and Function. 1982, 461-471
355	Measurement of Regional Cerebral Function for Neurological Research Using Positron Emission Tomography and Shortlived Cyclotron Produced Isotopes. <b>1982</b> , 189-198
354	Blood Flow and Temperature of the Brain. <b>1982</b> , 149-161
353	Principles and Application of Positron Emission Tomography in Neuroscience. <b>1982</b> , 331-347
352	CEREBRAL FUNCTIONAL ACTIVITY MAPPED WITH 18F-2-DEOXY-2-FLUORO-D-GLUCOSE. <b>1982</b> , 239-250
351	MACROMOLECULES AND BEHAVIOR. <b>1982</b> , 317-340
350	Quantitative Morphological and Autoradiographical Studies of Neurotoxicological Changes. <b>1982</b> , 94-95
349	Diagnosis [Methods for Evaluating Myocardial Microcirculation in Patients. <b>1982</b> , 165-228
348	Principles of Compartmentation. <b>1982</b> , 183-206
347	Hirndurchblutung und Hirnstoffwechsel im Alter und beim hirnorganischen Psychosyndrom. <b>1982</b> , 224-236 2
346	Peritumoral Brain Edema: Effects of Methylprednisolone on Local Cerebral Blood Flow, Glucose Utilization and Capillary Permeability. <b>1984</b> , 345-354
345	Perfused canine brain: metabolism and blood-brain transport during altered metabolic states. <b>1984</b> , 180, 141-52

344	Biochemical selectivity in neurotoxicity. <b>1984</b> , 209-215	
343	Imaging the Responding Neuronal Population with 14C-2-Deoxyglucose: The Somatosensory Cerebral Cortical Signature of A Tactile Stimulus. <b>1984</b> , 61-80	
342	An Investigation of the Development of Ocular Dominance and Orientation Columns in Cat Striate Cortex Using 2-Deoxyglucose. <b>1984</b> , 261-275	
341	Clinicians Expectations from the New Technology for in Vivo Diagnostic Examinations. <b>1984</b> , 39-49	
340	The Organization of Somatosensory Cortex in Primates and Other Mammals. <b>1984</b> , 51-59	
339	Future Directions for Biological Exploration of Psychiatric Disorders. <b>1984</b> , 237-260	
338	New Techniques of Brain Studies: Autoradiography, Positron Annihilation, and Nuclear Magnetic Resonance. <b>1984</b> , 232-287	
337	Changes of Energy Metabolism and Regional Cerebral Blood Flow Studied by Positron Emission Tomography in the Interictal Phase of Partial Epilepsy. <b>1984</b> , 35-46	1
336	Metabolic rate and microcirculation. <b>1984</b> , 169, 39-67	1
335	Localization of functional activity in the central nervous system by metabolic probes. <b>1984</b> , 9-29	
334	Imaging the Responding Neuronal Population with 14c-2-Deoxyglucose: The Somatosensory Cerebral Cortical Signature of a Tactile Stimulus. <b>1984</b> , 61-80	2
333	Mǥlichkeiten und Grenzen radiobiochemischer Anst≥e in der Emissionstomographie. <b>1985</b> , 125-144	3
332	Historischer Berblick. 1985, 1-3	
331	The Continuing Search for Mechanisms Underlying Functional Disturbances in Traumatized Brain. <b>1985</b> , 286-293	
330	Neuroendocrine Consequences of Sexual Behavior. <b>1985</b> , 725-766	
329	Application of 3-Fluoro-Deoxyglucose for the Assessment of Cerebral Perfusion and Glucose Transport in Candidates for EC/IC Bypass Surgery. <b>1985</b> , 153-161	
328	Determination of Regional Glucose Metabolism in the Brain by FDG and PET. <b>1985</b> , 391-402	1
327	Effect of a Dihydropyridine-Type Calcium Antagonist on Cerebral Blood Flow and Metabolism. <b>1985</b> , 353-361	1

326	Literaturhinweise. <b>1985</b> , 117-122
325	Regional Analysis of Steady-State Clearance of Fluor-Deoxyglucose into the Human Brain. <b>1985</b> , 403-409
324	Neue Verfahren zur Messung von Durchblutung und Metabolismus des Gehirns. <b>1985</b> , 35-45
323	Evaluation and Comparison of Various Strategies for Estimating Local Cerebral Glucose Metabolic Rate from Brain Images in Positron Emission Tomography. <b>1985</b> , 716-720
322	Cerebral Glucose Metabolism in Aging, Dementia, and Down Syndrome. <b>1985</b> , 283-288
321	Anesthetics. <b>1985</b> , 405-430
320	PRIONSBTRUCTURE, BIOLOGY, AND DISEASES. 1985, 337-391
319	Positronenemissions- und Kernspinresonanztomographie. <b>1985</b> , 113-124
318	SOME FUNDAMENTAL THEORETICAL AND PRACTICAL PROBLEMS ASSOCIATED WITH NEUROCHEMICAL TECHNIQUES IN MAMMALIAN STUDIES. <b>1985</b> , 1-23
317	New Agents for Probing Glucose Turnover and Receptor Densities in the Brain. <b>1985</b> , 89-121
316	Messung des Glukosestoffwechsels. <b>1985</b> , 47-93
315	Investigation of Regional Cerebral Blood Flow and Metabolism in Dementia. <b>1985</b> , 134-147
314	Measurement of Cerebral Protein Synthesis and Intracellular pH in Man by Positron Emission Tomography. <b>1985</b> , 107-121
313	Changes in Electrophysiological and Metabolic Indices of Brain Activity Associated with Elevated Intracranial Pressure and Transtentorial Herniation. <b>1986</b> , 360-364
312	The Aging Brain. <b>1986</b> , 151-164
311	Blood Flow and Metabolism in Brain Stem (Pathophysiological Implications. <b>1986</b> , 95-101
310	Changes in Regional (Local) Cerebral Blood Flow During Isoflurane-induced Hypotension. <b>1986</b> , 95-99
309	An Autoradiographic Analysis of Neural Pathways Involved in Memory Processes Using Radioactive 2-Deoxyglucose. <b>1986</b> , 289-293

308	Untersuchungen des Hirnstoffwechsels mit Positronenemissionstomographie. 1986, 151-167	1
307	Functional Aspects of Human Brain Tumours as Studied by Positron Emission Tomography. <b>1986</b> , 63-82	2
306	Traumatische R	2
305	Reversal of Cerebral Metabolic Deficits in Rodent Models for Aging and Alzheimer Disease. <b>1986</b> , 407-417	1
304	Local Blood Flow and Local Metabolism in the Brain. 1987, 23-26	
303	Regionale Stoffwechselverfiderungen im Gehirn wfirend sensorischer Reizung und willkflicher Handlung. <b>1987</b> , 402-411	
302	Determination of Regional Glucose Metabolism in the Brain by Positron Emission Tomography Using 18F-Fluoro-2-deoxy-D-glucose. <b>1987</b> , 27-31	
301	Energy Metabolism and Neurotransmitter Function in Ageing and the Dementias. <b>1987</b> , 159-174	
300	Respondent to Brain Tumors: Interpretation of Tracer Uptake in Brain Tumors. 1987, 401-412	
299	Examination of Organ Physiology by Positron Emission Tomography. <b>1987</b> , 461-476	
298	Quantitative dreidimensionale Bilddarstellung in der Neuropsychologie. <b>1987</b> , 159-168	
297	NMR Studies of Metabolism in Experimental Models. <b>1988</b> , 205-220	
296	Functional Anatomy of Dopamine Receptors. <b>1988</b> , 39-44	
295	Positronenemissionstomographie in der Differentialdiagnostik und Therapiekontrolle dementieller Erkrankungen. <b>1988</b> , 51-73	
294	Klinische Anwendung der Positronen-Emissionstomographie. <b>1988</b> , 315-469	
293	Positron Emission Tomography in the Investigation of Cerebral Disease. <b>1988</b> , 25-33	
292	Recent Advances In Dopaminergic Implants. <b>1988</b> , 205-210	
291	Dopamine and the Susceptibility of Striatal Neurons to Ischemia. <b>1988</b> , 379-388	

290	Recovery of Cortical Evoked Potential and LCGU Following Transient MCA Occlusion in the Rat. <b>1988</b> , 627-631	
289	Cerebral Glucose Consumption. <b>1988</b> , 109-116	
288	PET-Befunde bei dementiellen Erkrankungen: Beitrige zur Differentialdiagnose und Objektivierung therapeutischer Effekte. <b>1988</b> , 109-134	
287	Cortical Monoamines and Injured Brain. <b>1988</b> , 391-399	
286	Proton magnetic resonance imaging in experimental cerebral ischaemia. <b>1988</b> , 43, 162-7	3
285	Homeostasis and Heteroplasticity: Functional Significance of Behavioral State Sequences. <b>1988</b> , 199-220	
284	The Use of Neurotransmitter Indices and the Deoxyglucose Technique to Assess Neurotoxic Effects. <b>1988</b> , 351-363	
283	Positron Emission Tomography and Myocardial Biochemistry. <b>1988</b> , 145-154	
282	Modelle zur Quantifizierung von PET-Messungen. <b>1989</b> , 30-67	
281	Produktion der Radionuklide und Herstellung markierter Verbindungen. <b>1989</b> , 86-119	
280	Produktion der Radionuklide und Herstellung markierter Verbindungen. 1989, 86-119  The Effects of a Dihydropyridine Calcium Antagonist on Cerebral Blood Flow with and without Middle Cerebral Artery Occlusion. 1989, 196-205	
	The Effects of a Dihydropyridine Calcium Antagonist on Cerebral Blood Flow with and without	1
280	The Effects of a Dihydropyridine Calcium Antagonist on Cerebral Blood Flow with and without Middle Cerebral Artery Occlusion. <b>1989</b> , 196-205  Use of Positron Emission Tomography to Study Patterns of Brain Metabolism in Relation to Age	1
280 279	The Effects of a Dihydropyridine Calcium Antagonist on Cerebral Blood Flow with and without Middle Cerebral Artery Occlusion. <b>1989</b> , 196-205  Use of Positron Emission Tomography to Study Patterns of Brain Metabolism in Relation to Age and Disease: A Correlation Matrix Approach. <b>1989</b> , 393-410  Functional Anatomy of Selective Activation of Dl and D2 Dopamine Receptors in Rat Basal Ganglia.	1
280 279 278	The Effects of a Dihydropyridine Calcium Antagonist on Cerebral Blood Flow with and without Middle Cerebral Artery Occlusion. 1989, 196-205  Use of Positron Emission Tomography to Study Patterns of Brain Metabolism in Relation to Age and Disease: A Correlation Matrix Approach. 1989, 393-410  Functional Anatomy of Selective Activation of Dl and D2 Dopamine Receptors in Rat Basal Ganglia. 1989, 189-195	
280 279 278	The Effects of a Dihydropyridine Calcium Antagonist on Cerebral Blood Flow with and without Middle Cerebral Artery Occlusion. 1989, 196-205  Use of Positron Emission Tomography to Study Patterns of Brain Metabolism in Relation to Age and Disease: A Correlation Matrix Approach. 1989, 393-410  Functional Anatomy of Selective Activation of Dl and D2 Dopamine Receptors in Rat Basal Ganglia. 1989, 189-195  Is D-1 receptor stimulation important for the anti-parkinson activity of dopamine agonists?. 1989, 257-268	
280 279 278 277 276	The Effects of a Dihydropyridine Calcium Antagonist on Cerebral Blood Flow with and without Middle Cerebral Artery Occlusion. 1989, 196-205  Use of Positron Emission Tomography to Study Patterns of Brain Metabolism in Relation to Age and Disease: A Correlation Matrix Approach. 1989, 393-410  Functional Anatomy of Selective Activation of Dl and D2 Dopamine Receptors in Rat Basal Ganglia. 1989, 189-195  Is D-1 receptor stimulation important for the anti-parkinson activity of dopamine agonists?. 1989, 257-268  The Effects of Transient and Long-Term Ischemia on Tissue PO2 in the Brain Cortex. 1989, 111-119	

## (1990-1990)

272	Double-Label Quantitative Autoradiographic Studies of Anaerobic Glucose Metabolism in Limbic Seizures. <b>1990</b> , 61-73	
271	Metabolic Maps of Kindling: A Sequential Double-Label Deoxyglucose Study. <b>1990</b> , 33-44	
270	Ischaemic brain damage associated with tissue hypermetabolism in acute subdural haematoma: reduction by a glutamate antagonist. <b>1990</b> , 51, 277-9	5
269	Neurophysiology of Perception: Cortical Neurones. <b>1990</b> , 531-557	
268	Findings in Myocardial Ischemia by Metabolic Imaging with Positron Emission Tomography. <b>1990</b> , 150-165	
267	On Ideation and Ideography[] <b>1990</b> , 253-266	
266	Local cerebral blood flow and glucose metabolism in hydrostatic brain oedema. <b>1990</b> , 51, 351-3	
265	Possible Epileptogenic Consequences of Misused GABAergic Relationships. <b>1990</b> , 118-125	
264	Hippocampal metabolic function in schizophrenia. <b>1990</b> , 43-49	
263	The increase in local cerebral glucose utilization following fluid percussion brain injury is prevented with kynurenic acid and is associated with an increase in calcium. <b>1990</b> , 51, 331-3	15
263 262		15 4
	with kynurenic acid and is associated with an increase in calcium. <b>1990</b> , 51, 331-3	
262	with kynurenic acid and is associated with an increase in calcium. <b>1990</b> , 51, 331-3  Biological model for the in vivo measurement of rate of serotonin synthesis in the brain. <b>1990</b> , 29, 131-40	
262	with kynurenic acid and is associated with an increase in calcium. <b>1990</b> , 51, 331-3  Biological model for the in vivo measurement of rate of serotonin synthesis in the brain. <b>1990</b> , 29, 131-40  Theories of Speech Perception as Guides to Neural Mechanisms. <b>1990</b> , 297-309	4
262 261 260	with kynurenic acid and is associated with an increase in calcium. 1990, 51, 331-3  Biological model for the in vivo measurement of rate of serotonin synthesis in the brain. 1990, 29, 131-40  Theories of Speech Perception as Guides to Neural Mechanisms. 1990, 297-309  Neurochemical approaches to the amelioration of brain injury. 1990, 29, 49-56	4
262 261 260 259	With kynurenic acid and is associated with an increase in calcium. 1990, 51, 331-3  Biological model for the in vivo measurement of rate of serotonin synthesis in the brain. 1990, 29, 131-40  Theories of Speech Perception as Guides to Neural Mechanisms. 1990, 297-309  Neurochemical approaches to the amelioration of brain injury. 1990, 29, 49-56  Progressive Aphasia without Global Dementia Examined by Dynamic PET Scan. 1990, 77-80  Role of the Medial Limbic System in the Memory Process: A Hypothesis Based on a Radioactive	4
262 261 260 259 258	with kynurenic acid and is associated with an increase in calcium. 1990, 51, 331-3  Biological model for the in vivo measurement of rate of serotonin synthesis in the brain. 1990, 29, 131-40  Theories of Speech Perception as Guides to Neural Mechanisms. 1990, 297-309  Neurochemical approaches to the amelioration of brain injury. 1990, 29, 49-56  Progressive Aphasia without Global Dementia Examined by Dynamic PET Scan. 1990, 77-80  Role of the Medial Limbic System in the Memory Process: A Hypothesis Based on a Radioactive 2-Deoxyglucose Study. 1990, 689-692  Decreased hippocampal metabolic rate in patients with SDAT assessed by positron emission	4

254	Quantitation Problems in Positron Emission Tomography (PET) as Applied to the Kinetic Analysis of the Striatum Dopamine Data. <b>1991</b> , 53-64	
253	Functional Correlates of Opioid Receptor Activation as Measured by Local Cerebral Glucose Utilization. <b>1991</b> , 369-384	
252	Detection of Structural and Metabolic Changes of the Brain in Normal Aging and Dementia with Modern Imaging Techniques. <b>1991</b> , 347-359	
251	Positron emission tomographic study in Parkinson disease digid vs tremor type. <b>1991</b> , 179-186	3
250	Biochemistry of Halogenated Carbohydrates. <b>1991</b> , 193-252	
249	Quantitative Autoradiographical Evaluation of Protein Synthesis in a Brain Tumor Model Using 14C-labeled Valine. <b>1991</b> , 170-176	
248	Assessment of Neurochemical Function of Brain Transplants. 1991, 397-408	
247	Funktionelle Organisation und lernbezogene Plastizitlim auditorischen Kortex der Mongolischen Wiltenrennmaus. <b>1991</b> , 166-175	
246	Metabolism of glucose in the brain of IDDM subjects: brain metabolism in diabetes. <b>1991</b> , 291, 213-22	
245	Positron Emission Tomography in the Study of Neonatal Brain. <b>1991</b> , 171-181	
244	Imaging Techniques and Neuropsychological Testing in Dementia with Severe White Matter Changes. <b>1991</b> , 276-284	
243	Wirkung von Rlan auf die cerebrale Glucose-Utilisation. <b>1991</b> , 183-189	
242	Glucose Metabolism: An Index of Nicotine Action in the Brain. <b>1991</b> , 239-248	
241	Pflanzliche Beruhigungsmittel. <b>1991</b> , 249-267	
240	Increased Glucose Uptake and Superoxide Anion Production after Priming or Activation of Hepatic Phagocytes: A Potential Source of Liver Damage. <b>1991</b> , 235-254	1
239	Metabolic Depression of the Spinal Cord and Brain with Epidural Bupivacaine in Rats. <b>1991</b> , 65-69	
238	Development of Sound Representation in the Auditory Cortex of Tree Shrews (Tupaia Belangeri): A [14C]-2-Dg Study. <b>1992</b> , 281-297	
237	Functional Correlates of Acute Prolonged Pain in the Rat Central Nervous System: 2-DG Studies. <b>1992</b> , 319-342	

236	Blobs or Slabs (Is that the Question?. <b>1992</b> , 441-445	
235	A 2-DG Analysis Of The Effects Of Monocular Deprivation On The Rat Visual System. <b>1992</b> , 259-279	
234	Age-dependent changes in substantia nigra GABA-mediated seizure suppression. <b>1992</b> , 8, 97-106	5
233	Production and Distribution of 18F-radiopharmaceuticals-2-deoxy-2[18F]fluoro-D-glucose - Radiopharmaceutic Aspects. <b>1992</b> , 131-143	
232	Metabolic Mapping in the Hippocampus. Patterns of (14C)2-Deoxyglucose Uptake Within Different Fields of the Hippocampal Slice. <b>1992</b> , 173-188	
231	Preclinical Data Necessary to Assess PET Examinations. <b>1992</b> , 145-157	
230	Brain Systems Involved in Depressed Behaviors: Corroboration From Different Metabolic Mapping Studies <b>1992</b> , 343-366	
229	Cerebral Blood Flow and Glucose Metabolism Following Experimental Head Injury. <b>1992</b> , 339-342	
228	Absent recruitment of capillaries in brain tissue recovering from stroke. <b>1993</b> , 57, 35-40	2
227	Determination of Regional Rates of Cerebral Protein Synthesis in Vivo with L-[1-14C]Leucine as the Tracer Amino Acid. <b>1993</b> , 19-39	1
226	Secondary Damage of the Cerebral Cortex: Blood Flow and Metabolic Studies. <b>1993</b> , 256-259	1
225	Quantitative Whole Body Autoradiographic Microimaging for Pharmaceutical Research. <b>1993</b> , 149-166	
224	Gewebeatmung. <b>1993</b> , 633-648	
223	Fetaler zerebraler Glukoseverbrauch: Applikation der Sokoloff-Methode an das chronisch instrumentierte Meerschweinchen. <b>1993</b> , 1584-1585	
222	Blood-brain barrier transport measurements using PET-scanning and intravenous double indicator technique. <b>1993</b> , 333, 251-6	1
221	Cerebral Blood Flow and Glucose Metabolism Following Experimental Head Injury. <b>1993</b> , 473-475	1
220	NEUROCHEMICAL AND METABOLIC DYSFUNCTION FOLLOWING CONCUSSIVE BRAIN INJURY. <b>1993</b> , 125-130	
219	Kinetic Modeling of Fluorotyrosine Uptake. <b>1993</b> , 133-147	

	Cerebrat Blood Flow and didcose Metabolishi Following Experimental Flead injury. 1993, 232-233
217	Gewebeatmung. <b>1993</b> , 633-648
216	Tomographische Messung von Hirndurchblutung und Hirnstoffwechsel. <b>1994</b> , 58-73
215	Diffuse astrocytic swelling and increased second messenger activity following acute Haemophilus influenzae meningitisevidence from a rat model. <b>1994</b> , 60, 45-7
214	Atlas of Cardiac Positron Emission Tomography. <b>1994</b> , 67-95
213	Plasticity [Memory [Attention. <b>1994</b> , 221-285
212	Cytochrome oxidase and hexokinase activities in an infusion edema model with preserved blood flow. <b>1994</b> , 60, 268-70
211	Metabolic Disorders as Consequences of Drug-Induced Energy Deficits. <b>1994</b> , 111-139
210	Emerging Themes in Thermoregulation and Fever. <b>1994</b> , 357-367
209	Diagnostic imaging techniques with special reference to PET. <b>1994</b> , 53-67
208	Do the Effects of Muscarinic Receptor Blockade on Brain Glucose Consumption Mimic the Cortical and Subcortical Metabolic Pattern of Alzheimer Disease in Normal Volunteers?. <b>1995</b> , 123-132
207	Gewebeatmung. <b>1995</b> , 624-637
206	Tumour aggressiveness determined by kinetic analysis of glucose metabolism in meningiomas.  1995, 177-179
205	Positron emission tomographic (PET) radiopharmaceuticals. <b>1995</b> , 157-167
204	Metabolic Depression in the Striatum, Thalamus and Cerebral Cortex due to Lesions in the Globus Pallidus. <b>1996</b> , 277-283
203	Neural Mechanisms Supporting Successful Social Decisions in Simians. <b>1996</b> , 63-82
202	An Artificial Neural Network Approach to Estimation of the Regional Glucose Metabolism Using PET. <b>1996</b> , 271-276
201	Application of Simultaneous Emission and Transmission Scanning to Quantitative Cerebral PET.  1996, 51-56

218 Cerebral Blood Flow and Glucose Metabolism Following Experimental Head Injury. **1993**, 252-255

Positron Emission Tomography Neuroimaging in Dementia. 1996, 185-222 200 Dynamic Studies on the Possible Neural Pathway Mediating Parkinsonian Symptoms (Tremor, 199 Rigidity and Did) Using Pet Scan and Microrecording. 1996, 261-267 Neurophysiology of Opiate Dependence. 1996, 35-46 198 PET, MRI, and MRS for imaging of functional brain disorders. 1997, 11-22 197 Signal sources in PET. 1997, 413, 43-51 196 Clinical PET in Oncology. 1997, 3-14 195 Scintigraphic Procedures in the Detection of Pancreatic Tumors: The Role of FDG PET. 1997, 401-408 194 What do we expect from non-invasive functional neuroimaging?. 1997, 413, 241-4 193 Cavinton Affects the Kinetic Constants of FDG Accumulation: An Application of Registration and 192 Kinetic Modelling. 1998, 163-172 Mapping Cerebral Responses to Volatile Anesthetics in Humans. 1998, 273-290 191 Stoffwechsel und Transport von Glucose und FDG. 1998, 31-45 190 1 Die Rolle der F-18-FDG-Positronen-Emissions-Tomographie füchirurgische Fragestellungen. 1998, 261-269 189 188 FDG Distribution - A New Market Trend. 1998, 25-31 Methods: principles, anatomical and physiological bases PET and SPECT. 1998, 31-42 187 Simultaneous Extraction of Physiological and Input Function Parameters from PET Measurements 1 186 1Transcripts of the BRAINPET97 discussion of this chapter can be found in Section VIII.. 1998, 321-327 185 References. 1998, 73-84 Functional brain imaging studies in childhood autism. 1998, 173-179 184 The acute ischemic penumbra: topography, life span, and therapeutic response. 1999, 73, 45-50 183 16

182	Brain Tumors. <b>1999</b> , 33-57	1
181	Current Tumor Imaging Agents. <b>1999</b> , 401-414	
180	Some Maximum Likelihood Methods Useful for the Regional Analysis of Dynamic PET Data on Brain Glucose Metabolism. <b>1999</b> , 298-309	
179	Food for thought: altitude versus normal brain function. <b>1999</b> , 474, 171-83	1
178	Principles and Instrumentation of Positron Emission Tomography. <b>1999</b> , 71-79	
177	Bildgebende Verfahren. <b>1999</b> , 311-361	
176	PET Imaging in Oncology. <b>1999</b> , 313-331	
175	Evaluation of Dynamic Stress of the Cervical Spinal Cord Using a High-Resolution Positron Emission Tomography. <b>1999</b> , 229-236	
174	Brain. <b>2015</b> , 3-12	
173	Molecular Imaging of Serotonin Synthesis in the Brain. <b>2015</b> , 357-372	
172	Positron Emission Tomography. 2856-2866	
171	Effects on Blood Supply and on Arterial and Venous Tonus. <b>2016</b> , 349-428	
170	Neuroimaging in Psychiatry. <b>2016</b> , 881-917	
169	Diagnostic Applications of Nuclear Medicine: Brain Tumors. <b>2016</b> , 1-40	
168	Brain Tumors. <b>2016</b> , 177-194	0
167	Neurologische und dementielle Erkrankungen. <b>2016</b> , 765-794	
166	Zootechnical Issues in Small Animal Imaging. <b>2017</b> , 295-319	
165	Physiologic and Molecular Basis of PET in Cancer Imaging. <b>2017</b> , 399-427	O

164	Glucose and Ketone Metabolism in the Aging Brain. <b>2016</b> ,	О
163	High-Resolution PET/CT Development. <b>2017</b> , 85-101	
162	Background. <b>2017</b> , 25-39	
161	Introduction. <b>2017</b> , 1-24	
160	ADNI Datasets and Pre-processing Protocols. <b>2017</b> , 41-51	
159	Clinical applications of PET/CT and SPECT/CT imaging. <b>2017</b> , 439-472	
158	Dynamic PET imaging. <b>2017</b> , 321-335	
157	Overview of Positron-Emission Tomography Tracers for Metabolic Imaging. 2018, 47-80	
156	Physiology of the Cerebrovascular System. <b>2018</b> , 9-19	
155	Imaging of hypoxia in human glioblastoma with dynamic 18F-fluoromisonidazole PET <b>2019</b> , 2, 131-140	
154	Challenges and perspectives of quantitative functional sodium imaging (fNaI).	
153	The role of the endoplasmic reticulum in in vivo cancer FDG kinetics.	1
152	Neuropeptide Y expression defines a novel class of GABAergic projection neuron in the inferior colliculus.	
151	18F-FDG. <b>2020</b> , 1-36	
150	The Alzheimer disease-associated protective Plc 2-P522R variant promotes beneficial microglial functions.	
149	No metabolic 🛮 efault modelbf human brain function.	
148	Zusammenfassung der Diskussion zum Thema: <b>P</b> hysiologie, Pathophysiologie und Pharmakologie <b>I 1983</b> , 61-69	
147	Pathophysiology and Pathobiochemistry of Acute Brain Infarction in the Gerbil: The Influence of Metabolic Inhibition. <b>1983</b> , 67-75	

146	Metabolism of Phosphatidic Acid. <b>1983</b> , 17-39	
145	Cerebral Metabolism in Vivo. <b>1983</b> , 321-351	
144	Biochemical Considerations in the Design of Radiopharmaceuticals. <b>1983</b> , 299-317	
143	New Research Techniques for Studying the Functional Anatomy of Depression. <b>1983</b> , 273-295	
142	Effect Of Ibotenic Acid Stereotactically Injected Into Striatum Or Hippocampus On Local Blood Flow And Glucose Utilization In Rats. <b>1983</b> , 251-255	
141	Film Analysis Systems and Applications. <b>1983</b> , 347-377	
140	Images of the Future. <b>1983</b> , 677-687	
139	LOSS AND RECOVERY OF LOCOMOTOR FUNCTION AFTER SPINAL CORD LESIONS IN CATS AND MONKEYS. <b>1983</b> , 231-242	1
138	Animal Models in Biomedical Research and Radiotracer Design. <b>1983</b> , 1-34	O
137	Applications of Positron Emission Tomography to Neurosurgery. <b>1983</b> , 3-18	
136	Measurement of Local Cerebral Glucose Metabolism: Application to the Study of Stroke. 1983, 153-161	1
135	Cerebral Blood Flow and Metabolism. <b>1983</b> , 99-109	
134	Labeled Compounds for Positron Emission Tomography. <b>1983</b> , 52-64	3
133	Measurement of local glucose utilization and its use in localization of functional activity in the central nervous system of animals and man. <b>1983</b> , 39, 75-126	5
132	Effect of Ibotenic Acid Stereotactically Injected into Striatum or Hippocampus on Local Blood Flow and Glucose Utilization in Rats. <b>1983</b> , 251-255	
131	Oscillation of Intracranial Pressure and Local Cerebral Metabolism. <b>1983</b> , 893-900	
130	Blood Flow. <b>1983</b> , 653-688	
129	Pharmacokinetic Models and Positron Emission Tomography: Studies of Physiologic and Pathophysiologic Conditions. <b>1983</b> , 345-383	1

Tumor-Induced Brain Edema and Its Treatment. A Quantitative Autoradiographic Study. 1983, 436-441 128 The Relationship of Regional Cerebral Blood Flow, Oxygen Metabolism and Glucose Metabolism 127 Following Acute Stroke. 1983, 234-235 Gallagher's Principle of Metabolic Trapping. 2020, 61, 74S-76S 126 O Cell-to-Cell Interactions Mediating Functional Recovery after Stroke. 2021, 10, 125 Normal Brain Function. 2003, 3-42 124 Positron Emission Tomography: Significance for Preoperative N-Staging. 2005, 31-37 123 History of PET. 2002, 1-17 122 Neuroimaging in Psychiatry. 2008, 695-723 121 Measuring Response to Chemotherapy in Locally Advanced Breast Cancer: Methodological 120 Considerations. 2008, 169-180 Molecular Mechanism of Glutamate-Triggered Brain Glucose Metabolism: A Parametric Model from 119 FDG PET-Scans. 2007, 350-359 Imaging in neurooncology. 2005, 2, 333-347 118 1 On the Application of Cultured Neuronal Cell Lines in Neurotoxicological Studies: Implications of 117 Acrylamide-induced Neurite Disintegration. 1983, 11, 194-203 116 Nuclear Imaging in Frontotemporal Dementia. 2021, 469-490 From Positron to Pattern: A Conceptual and Practical Overview of 18F-FDG PET Imaging and Spatial 115 Covariance Analysis. 2021, 73-104 The Use of Small Animal Molecular Imaging (PET) Exemplified in a Neurobiological Pathology. 114 **2021**, 57-92 Cerebral Glucose Metabolism. 2021, 105-125 113 Brain tumors. 1991, 154, 186-97 6 112 Cardiac ischemia. Part I--Metabolic and physiologic responses. 1987, 146, 713-23 111

110	2-deoxy-d-glucose uptake in the inner retina: an in vivo study in the normal rat and following photoreceptor degeneration. <b>2002</b> , 100, 353-64	2
109	Positron emission tomography in patients with clinically diagnosed Alzheimer's disease. <b>1986</b> , 134, 597-607	15
108	18-Fluorodeoxyglucose positron emission tomography (FDG-PET) and the staging of early lung cancer. <b>2001</b> , 56 Suppl 2, ii38-44	4
107	Regional changes in cerebral glucose utilization in kindled rats during convulsions [proceedings]. <b>1980</b> , 68, 133P	1
106	Poster communications. <b>1993</b> , 109, 67P-142P	
105	Methods for determination of optic nerve blood flow. <b>1988</b> , 61, 51-60	4
104	Role of Kinetic Modeling in Biomedical Imaging. <b>2008</b> , 28, 57-63	3
103	Imaging astrocytosis with PET in Creutzfeldt-Jakob disease: case report with histopathological findings. <b>2012</b> , 5, 201-7	21
102	Cellular influx and efflux in the heart. <b>1982</b> , 41, 3040-4	4
101	An anesthetic method compatible with (18)F-FDG-PET studies in mice. <b>2015</b> , 5, 270-7	2
100	Alcohol's Effects on the Brain: Neuroimaging Results in Humans and Animal Models. 2017, 38, 183-206	55
99	Computational modeling of PET tracer distribution in solid tumors integrating microvasculature. <b>2021</b> , 21, 67	3
98	Integrating Bio-metabolism and Structural Changes for the Diagnosis of Dementia. 2022, 169-172	
97	Biological Basis of Emotions: Brain Systems and Brain Development. <b>1998</b> , 102, 1225-1229	39
96	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 <b>2022</b> , 249, 118901	
95	Le mEabolisme cEBral au cours du vieillissement chez le sujet sain et dans la maladie dElzheimer. <b>2016</b> , 89-112	
94	Rates of pyruvate carboxylase, glutamate and GABA neurotransmitter cycling, and glucose oxidation in multiple brain regions of the awake rat using a combination of [2-C]/[1-C]glucose infusion and H-[C]NMR <b>2022</b> , 271678X221074211	Ο
93	In Vivo C Magnetic Resonance Spectroscopy for Assessing Brain Biochemistry in Health and Disease <b>2022</b> , 47, 1183	O

92	Aerobic Glycolysis: A DeOxymoron of (Neuro)Biology <b>2022</b> , 12,	2
91	A distinct hypothalamus-to-læll circuit modulates insulin secretion <b>2022</b> , 34, 285-298.e7	2
90	Selective neurodegeneration of the hippocampus caused by chronic cerebral hypoperfusion: F-18 FDG PET study in rats <b>2022</b> , 17, e0262224	О
89	Influences on PET Quantification and Interpretation 2022, 12,	2
88	Abstracts: annual meeting of the Canadian Anesthetists' Society. June 26-29, 1988, Halifax, Nova Scotia. <b>1988</b> , 35, S59-147	
87	Principles of Tracer Kinetic Analysis in Oncology, Part I: Principles and Overview of Methodology <b>2022</b> , 63, 342-352	1
86	Phantom Validation of a Conservation of Activity-Based Partial Volume Correction Method for Arterial Input Function in Dynamic PET Imaging <b>2022</b> , 8, 842-857	
85	Triheptanoin in Epilepsy and Beyond. <b>2022</b> , 483-497	
84	PET CMR mapping and H-MRS show altered glucose uptake and neurometabolic profiles in BDL rats <b>2022</b> , 114606	1
83	Brain Metabolic Alterations in Alzheimer's Disease <b>2022</b> , 23,	1
82	The metabolic basis of epilepsy 2022,	0
81	In situ spatial glycomic imaging of mouse and human Alzheimer's disease brains 2021,	4
80	Mitochondrial Generated Redox Stress Differently Affects the Endoplasmic Reticulum of Circulating Lymphocytes and Monocytes in Treatment-NaWe Hodgkin's Lymphoma <b>2022</b> , 11,	О
79	Nondifferentiable Optimization: Parametric Programming. <b>2001</b> , 1727-1735	1
78	Table_1.XLSX. <b>2019</b> ,	
77	Blood flow and metabolism in heterotopic cerebellar grafts during hypoglycemia. <b>1988</b> , 77, 142-51	3
76	Local glucose utilization and local blood flow in hearts of awake rats. 1993, 88, 233-49	11
75	Effects of two dihydropyridine calcium channel blockers on cerebral metabolism and blood flow in traumatized rat brain. <b>1986</b> , 5, 117-30	1

74	Regional differences in brain glucose content in graded hypoglycemia. <b>1986</b> , 5, 131-42	15
73	Reduction of neural damage in irreversible cerebral ischemia by calcium antagonists. <b>1988</b> , 9, 211-36	25
72	Associative Processes in Early Olfactory Preference Acquisition: Neural and Behavioral Consequences. <b>1989</b> , 17, 29-33	19
71	Diagnostic Applications of Nuclear Medicine: Brain Tumors. <b>2022</b> , 1-38	
70	Functional imaging for evaluation of cancers and biologically conformal radiotherapy: Past-history and present-day perspectives <b>2022</b> , 104124	О
69	The Larval Zebrafish Vestibular System Is a Promising Model to Understand the Role of Myelin in Neural Circuits. <b>2022</b> , 16,	O
68	Regional patterns of brain 2-DG uptake produced in mice by electrical stimulation of the septum, hypothalamus, or entorhinal cortex: Relation to functional neural pathways involved in memory mechanisms. <b>1995</b> , 23, 1-9	1
67	Rffences bibliographiques. <b>1997</b> , 255-290	
66	Single cell radiotracer allocation via immunomagentic sorting (scRadiotracing) to disentangle PET signals at cellular resolution <b>2022</b> ,	0
65	Evolution of Zebrafish as a Novel Pharmacological Model in Endocrine Research. 2022, 93-141	О
64	18F-FDG PET Imaging in Neurodegenerative Dementing Disorders: Insights into Subtype Classification, Emerging Disease Categories, and Mixed Dementia with Copathologies. <b>2022</b> , 63, 2S-12S	1
63	Do 15 Million Cat Neurons Mediate the Memory of a Circle and a Star?. <b>1987</b> , 238, 1587-1587	O
62	BrainPhys Neuronal Media Support Physiological Function of Mitochondria in Mouse Primary Neuronal Cultures. 15,	O
61	Beyond monoamines: II . Novel applications for PET imaging in psychiatric disorders. <i>Journal of Neurochemistry</i> ,	O
60	Quantitative kinetic modelling and mapping of cerebral glucose transport and metabolism using glucoCESL MRI. 0271678X2211088	0
59	Molecular PET Imaging in Alzheimer⊞ Disease.	O
58	Resting Rates of Blood Flow and Glucose Use per Neuron Are Proportional to Number of Endothelial Cells Available per Neuron Across Sites in the Rat Brain. 16,	0
57	Central Nervous System. <b>2022</b> , 445-524	

56	The Impact of PIK3R1 Mutations and Insulin PI3K Clycolytic Pathway Regulation in Prostate Cancer. OF1-OF15	1
55	Combining magnetic resonance imaging with readout and/or perturbation of neural activity in animal models: Advantages and pitfalls. 16,	O
54	Non-Invasive measurement of the cerebral metabolic rate of oxygen using MRI in rodents. 6, 109	
53	Sudden unexpected death in epilepsy and abnormal glucose metabolism in the rat insular cortex: A brain within the heart. <b>2022</b> , 77, 100059	
52	Its Not What You Take Up, Its What You Keep: How Discoveries from Diverse Disciplines Directed the Development of the FDG PET/CT Scan.	
51	Regional Characterization of the Gottingen Minipig Brain by [18 F]FDG Dynamic Pet Modeling.	
50	Spatiotemporal multi-scale modeling of radiopharmaceutical distributions in vascularized solid tumors. <b>2022</b> , 12,	1
49	Anthracycline-induced cardiotoxicity: From pathobiology to identification of molecular targets for nuclear imaging. 9,	
48	Non-Invasive measurement of the cerebral metabolic rate of oxygen using MRI in rodents. 6, 109	
47	Response to Comment on Microglial activation states drive glucose uptake and FDG-PET alterations in neurodegenerative diseases <b>2022</b> , 14,	O
46	Measurement of skeletal muscle glucose uptake in mice in response to acute treadmill running. <b>2022</b> , 9, e162	
45	Monitoring Disease Progression in Parkinson's Disease. <b>2001</b> , 41,	1
44	18 FDG for the Study of Central Nervous System Drugs. <b>2001</b> , 41,	1
43	Can [ 15 O]Water Be Used to Evaluate Drugs?. <b>2001</b> , 41,	1
42	Diagnostic Applications of Nuclear Medicine: Brain Tumors. <b>2022</b> , 569-605	О
41	Patient-adaptive Population-based Modeling of Arterial Input Functions. 2022, 1-1	O
40	Mechanistic stoichiometric relationship between the rates of neurotransmission and neuronal glucose oxidation: Reevaluation of and alternatives to the pseudo-malate-aspartate shuttle model.	О
39	Four decades of mapping and quantifying neuroreceptors at work in vivo by positron emission tomography. 16,	O

38	Anterior hypothalamic parvalbumin neurons are glutamatergic and promote escape behavior.	0
37	Nuklearmedizinische Diagnostik beim Morbus Wilson.	O
36	The effects of acute Methylene Blue administration on cerebral blood flow and metabolism in humans and rats.	O
35	Avian neurons consume three times less glucose than mammalian neurons. 2022,	1
34	Gray and white matter astrocytes differ in basal metabolism but respond similarly to neuronal activity.	1
33	Potential new roles for glycogen in epilepsy.	O
32	Contrasting dose-dependent effects of acute intravenous methamphetamine on lateral hypothalamic extracellular glucose dynamics in male and female rats. <b>2022</b> , 128, 819-836	О
31	Impact of somatostatin interneurons on interactions between barrels in plasticity induced by whisker deprivation. <b>2022</b> , 12,	O
30	Metabolic Recruitment in Brain Tissue. <b>2023</b> , 85,	O
29	PET molecular imaging for pathophysiological visualization in Alzheimer disease.	1
28	Positron Emission Tomography in the Investigation of Central Nervous System Disorders. <b>1988</b> , 26, 1075-10	088 1
27	Mechanistic and therapeutic role of Drp1 in the pathogenesis of stroke. <b>2023</b> , 855, 147130	O
26	Brain sex-dependent alterations after prolonged high fat diet exposure in mice. 2022, 5,	О
25	Connectivity and Excitability Shape Seizure Circuits. 153575972211369	O
24	In vivo methods for imaging bloodBrain barrier function and dysfunction.	1
23	Astrocytes as metabolic suppliers to support neuronal activity and brain functions.	O
22	Impact of glucose metabolism on the developing brain. 13,	О
21	Functional Correlates of Striatal Dopamine Transporter Cerebrospinal Fluid Levels in Alzheimer Disease: A Preliminary 18F-FDG PET/CT Study. <b>2023</b> , 24, 751	O

20	Fundamental Role of Pentose Phosphate Pathway within the Endoplasmic Reticulum in Glutamine Addiction of Triple-Negative Breast Cancer Cells. <b>2023</b> , 12, 43	0
19	A new framework for metabolic connectivity mapping using bolus [18F]FDG PET and kinetic modelling.	О
18	Vascular and neural transcriptomics reveal stage-dependent pathways to inflammation and cognitive dysfunction in a rat model of hypertension.	O
17	Basic Principles in Imaging of Regional Cerebral Metabolic Rates with Radioisotopes. <b>1988</b> , 35-65	О
16	Exercise alters cortico-basal ganglia network functional connectivity: A mesoscopic level analysis informed by anatomic parcellation defined in the mouse brain connectome.	О
15	2DG and glycolysis as therapeutic targets for status epilepticus. <b>2023</b> , 140, 109108	О
14	The role of mitochondrial dynamics in cerebral ischemia-reperfusion injury. 2023, 162, 114671	О
13	Nuklearmedizinische Bildgebung. <b>2022</b> , 1-6	О
12	Slow TCA flux and ATP production in primary solid tumours but not metastases. 2023, 614, 349-357	1
11	In vivo calibration of genetically encoded metabolite biosensors must account for metabolite metabolism during calibration and cellular volume.	О
10	EcellBelective inhibition of DNA damage response signaling by nitric oxide is associated with an attenuation in glucose uptake. <b>2023</b> , 299, 102994	O
9	The effects of acute Methylene Blue administration on cerebral blood flow and metabolism in humans and rats. 0271678X2311579	О
8	2-Deoxy-D-Glucose: A Novel Pharmacological Agent for Killing Hypoxic Tumor Cells, Oxygen Dependence-Lowering in Covid-19, and Other Pharmacological Activities. <b>2023</b> , 2023, 1-15	0
7	Working memory-based and -free reward prediction in a dual dopamine system in the basal ganglia.	О
6	Bildgebung, Kinetik, Quantifizierung. <b>2023</b> , 46, 13-19	0
5	Glycemic Challenge Is Associated with the Rapid Cellular Activation of the Locus Ceruleus and Nucleus of Solitary Tract: Circumscribed Spatial Analysis of Phosphorylated MAP Kinase Immunoreactivity. <b>2023</b> , 12, 2483	О
4	Molecular Imaging in Neurology. <b>2023</b> , 375-423	O
3	Pharmacokinetics and Modeling. <b>2023</b> , 291-302	О

2 Molecular Imaging in Cardiology. **2023**, 425-460

О

Locally Measured Neuronal Correlates of Functional MRI Signals. 2022, 79-104

O