Albert H Gjedde

List of Publications by Year
in descending order

394 papers	21,714 citations	8181 76 h-index	13379 130 g-index
418 all docs	418 docs citations	418 times ranked	17104 citing authors

#	Article	IF	Citations
1	Consensus Nomenclature for in vivo Imaging of Reversibly Binding Radioligands. Journal of Cerebral Blood Flow and Metabolism, 2007, 27, 1533-1539.	4.3	1,840
2	Unilateral Transplantation of Human Fetal Mesencephalic Tissue into the Caudate Nucleus of Patients with Parkinson's Disease. New England Journal of Medicine, 1992, 327, 1541-1548.	27.0	569
3	Neurologic Sequelae of Domoic Acid Intoxication Due to the Ingestion of Contaminated Mussels. New England Journal of Medicine, 1990, 322, 1781-1787.	27.0	533
4	Diagnostic precision of PET imaging and functional MRI in disorders of consciousness: a clinical validation study. Lancet, The, 2014, 384, 514-522.	13.7	433
5	Calculation of cerebral glucose phosphorylation from brain uptake of glucose analogs in vivo: A re-examination. Brain Research Reviews, 1982, 4, 237-274.	9.0	384
6	Neuronalâ€“Glial Glucose Oxidation and Glutamatergicâ€“GABAergic Function. Journal of Cerebral Blood Flow and Metabolism, 2006, 26, 865-877.	4.3	365
7	Elevated dopa decarboxylase activity in living brain of patients with psychosis.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 11651-11654.	7.1	335
8	High- and Low-Affinity Transport of D-Glucose from Blood to Brain. Journal of Neurochemistry, 1981, 36, 1463-1471.	3.9	309
9	In Alzheimerâ€™s Disease, 6-Month Treatment with GLP-1 Analog Prevents Decline of Brain Glucose Metabolism: Randomized, Placebo-Controlled, Double-Blind Clinical Trial. Frontiers in Aging Neuroscience, 2016, 8, 108.	3.4	282
10	Increased Occupancy of Dopamine Receptors in Human Striatum during Cue-Elicited Cocaine Craving. Neuropsychopharmacology, 2006, 31, 2716-2727.	5.4	280
11	Cross-modal plasticity revealed by electrotactile stimulation of the tongue in the congenitally blind. Brain, 2005, 128, 606-614.	7.6	270
12	Quantification of Neuroreceptors in the Living Human Brain. I. Irreversible Binding of Ligands. Journal of Cerebral Blood Flow and Metabolism, 1986, 6, 137-146.	4.3	265
13	Lactate Receptor Sites Link Neurotransmission, Neurovascular Coupling, and Brain Energy Metabolism. Cerebral Cortex, 2014, 24, 2784-2795.	2.9	261
14	To musicians, the message is in the meter. NeuroImage, 2005, 24, 560-564.	4.2	238
15	Dopamine transporters are markedly reduced in Lesch-Nyhan disease in vivo.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 5539-5543.	7.1	227
16	Mechanisms of Dopaminergic and Serotonergic Neurotransmission in Tourette Syndrome: Clues from an In Vivo Neurochemistry Study with PET. Neuropsychopharmacology, 2008, 33, 1239-1251.	5.4	227
17	Cerebral Blood Flow Measurements by Magnetic Resonance Imaging Bolus Tracking: Comparison with [¹⁵O]H₂O Positron Emission Tomography in Humans. Journal of Cerebral Blood Flow and Metabolism, 1998, 18, 935-940.	4.3	212
18	Positron emission tomography of cortical centers of tinnitus. Hearing Research, 1999, 134, 133-144.	2.0	211

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19	Persistent oligemia of rat cerebral cortex in the wake of spreading depression. Annals of Neurology, 1982, 12, 469-474.	5.3	199
20	Absolute Cerebral Blood Flow and Blood Volume Measured by Magnetic Resonance Imaging Bolus Tracking: Comparison with Positron Emission Tomography Values. Journal of Cerebral Blood Flow and Metabolism, 1998, 18, 425-432.	4.3	198
21	Dopamine release in ventral striatum during Iowa Gambling Task performance is associated with increased excitement levels in pathological gambling. Addiction, 2011, 106, 383-390.	3.3	178
22	Capillary-Oxygenation-Level-Dependent Near-Infrared Spectrometry in Frontal Lobe of Humans. Journal of Cerebral Blood Flow and Metabolism, 2007, 27, 1082-1093.	4.3	176
23	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. Journal of Cerebral Blood Flow and Metabolism, 1985, 5, 163-178.	4.3	171
24	Cognitive Control in Auditory Working Memory Is Enhanced in Musicians. PLoS ONE, 2010, 5, e11120.	2.5	165
25	Oxidative and Nonoxidative Metabolism of Excited Neurons and Astrocytes. Journal of Cerebral Blood Flow and Metabolism, 2002, 22, 1-14.	4.3	159
26	Relationship between local changes in cortical blood flow and extracellular K⁺ during spreading depression*. Acta Physiologica Scandinavica, 1980, 109, 1-6.	2.2	157
27	Focal Ischemia of the Rat Brain: Autoradiographic Determination of Cerebral Glucose Utilization, Glucose Content, and Blood Flow. Journal of Cerebral Blood Flow and Metabolism, 1986, 6, 414-424.	4.3	156
28	Quantification of Neuroreceptors in the Living Human Brain. II. Inhibition Studies of Receptor Density and Affinity. Journal of Cerebral Blood Flow and Metabolism, 1986, 6, 147-153.	4.3	152
29	Model of Bloodâ€“Brain Transfer of Oxygen Explains Nonlinear Flow-Metabolism Coupling During Stimulation of Visual Cortex. Journal of Cerebral Blood Flow and Metabolism, 2000, 20, 747-754.	4.3	151
30	The lactate receptor, Gâ€proteinâ€coupled receptor 81/hydroxycarboxylic acid receptor 1: Expression and action in brain. Journal of Neuroscience Research, 2015, 93, 1045-1055.	2.9	150
31	Brain Energy Metabolism and Blood Flow Differences in Healthy Aging. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 1177-1187.	4.3	145
32	Cerebral [15O]Water Clearance in Humans Determined by PET: I. Theory and Normal Values. Journal of Cerebral Blood Flow and Metabolism, 1996, 16, 765-780.	4.3	141
33	MR-Based Statistical Atlas of the GÃ¶ttingen Minipig Brain. NeuroImage, 2001, 14, 1089-1096.	4.2	141
34	Cortical hypometabolism and hypoperfusion in Parkinsonâ€™s disease is extensive: probably even at early disease stages. Brain Structure and Function, 2010, 214, 303-317.	2.3	140
35	The Danish PET/depression project: clinical symptoms and cerebral blood flow. A regions-of-interest analysis. Acta Psychiatrica Scandinavica, 2002, 106, 35-44.	4.5	139
36	Reduced muscle activation during exercise related to brain oxygenation and metabolism in humans. Journal of Physiology, 2010, 588, 1985-1995.	2.9	137

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37	Oxygen Consumption of the Living Human Brain Measured after a Single Inhalation of Positron Emitting Oxygen. Journal of Cerebral Blood Flow and Metabolism, 1992, 12, 179-192.	4.3	133
38	Functional brain imaging of tinnitus-like perception induced by aversive auditory stimuli. NeuroReport, 2000, 11, 633-637.	1.2	133
39	Impaired Glymphatic Transport in Spontaneously Hypertensive Rats. Journal of Neuroscience, 2019, 39, 6365-6377.	3.6	131
40	Autoradiographic Determination of Regional Brain Glucose Content. Journal of Cerebral Blood Flow and Metabolism, 1983, 3, 303-310.	4.3	127
41	Pentobarbital Anesthesia Reduces Blood?Brain Glucose Transfer in the Rat. Journal of Neurochemistry, 1980, 35, 1382-1387.	3.9	125
42	Methylphenidate-evoked changes in striatal dopamine correlate with inattention and impulsivity in adolescents with attention deficit hyperactivity disorder. NeuroImage, 2005, 25, 868-876.	4.2	122
43	Inverted-U-shaped correlation between dopamine receptor availability in striatum and sensation seeking. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 3870-3875.	7.1	121
44	Cerebral blood flow and metabolism in chronically hyperammonemic rats: Effect of an acute ammonia challenge. Annals of Neurology, 1978, 3, 325-330.	5.3	120
45	Quantification of Neuroreceptors in the Living Human Brain: IV. Effect of Aging and Elevations of D2-Like Receptors in Schizophrenia and Bipolar Illness. Journal of Cerebral Blood Flow and Metabolism, 1997, 17, 331-342.	4.3	117
46	Emotional valence modulates activity in the posterior fusiform gyrus and inferior medial prefrontal cortex in social perception. NeuroImage, 2003, 18, 675-684.	4.2	117
47	6-[18F]fluoro-l-DOPA Metabolism in Living Human Brain: A Comparison of Six Analytical Methods. Journal of Cerebral Blood Flow and Metabolism, 1993, 13, 57-69.	4.3	113
48	Transcranial magnetic stimulation of the visual cortex induces somatotopically organized qualia in blind subjects. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 13256-13260.	7.1	112
49	Subchronic Haloperidol Downregulates Dopamine Synthesis Capacity in the Brain of Schizophrenic Patients In Vivo. Neuropsychopharmacology, 2003, 28, 787-794.	5.4	105
50	Dopamine release in ventral striatum of pathological gamblers losing money. Acta Psychiatrica Scandinavica, 2010, 122, 326-333.	4.5	105
51	Positron emission tomography study of a chronic pain patient successfully treated with somatosensory thalamic stimulation. Pain, 2000, 87, 295-302.	4.2	104
52	Compartmental analysis of dopa decarboxylation in living brain from dynamic positron emission tomograms. , 1998, 29, 37-61.		103
53	Emotion Processing of Major, Minor, and Dissonant Chords: A Functional Magnetic Resonance Imaging Study. Annals of the New York Academy of Sciences, 2005, 1060, 450-453.	3.8	103
54	Frequency-Dependent Changes in Cerebral Metabolic Rate of Oxygen during Activation of Human Visual Cortex. Journal of Cerebral Blood Flow and Metabolism, 1999, 19, 272-277.	4.3	102

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55	Glycolysis in Neurons, Not Astrocytes, Delays Oxidative Metabolism of Human Visual Cortex during Sustained Checkerboard Stimulation in vivo. Journal of Cerebral Blood Flow and Metabolism, 2001, 21, 1384-1392.	4.3	102
56	Low Cerebral Oxygen Consumption and Blood Flow in Patients With Cirrhosis and an Acute Episode of Hepatic Encephalopathy. Gastroenterology, 2009, 136, 863-871.	1.3	102
57	Dynamic changes in corticospinal tracts after stroke detected by fibretracking. Journal of Neurology, Neurosurgery and Psychiatry, 2007, 78, 587-592.	1.9	100
58	Quantitative Rates of Brain Glucose Metabolism Distinguish Minimally Conscious from Vegetative State Patients. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 58-65.	4.3	99
59	Human Striatal l-DOPA Decarboxylase Activity Estimated in vivo Using 6-[¹⁸F]fluoro-DOPA and Positron Emission Tomography: Error Analysis and Application to Normal Subjects. Journal of Cerebral Blood Flow and Metabolism, 1993, 13, 43-56.	4.3	98
60	Quantification of Neuroreceptors in the Living Human Brain: III. D2-Like Dopamine Receptors: Theory, Validation, and Changes during Normal Aging. Journal of Cerebral Blood Flow and Metabolism, 1997, 17, 316-330.	4.3	98
61	Putative Tests of Frontal Lobe Function: A PET-Study of Brain Activation During Stroop's Test and Verbal Fluency. Journal of Clinical and Experimental Neuropsychology, 2002, 24, 534-547.	1.3	97
62	Blood-Brain Glucose Transfer in Alzheimerâ€™s disease: Effect of GLP-1 Analog Treatment. Scientific Reports, 2017, 7, 17490.	3.3	94
63	Michaelis-Menten Constraints Improved Cerebral Glucose Metabolism and Regional Lumped Constant Measurements with [¹⁸F]Fluorodeoxyglucose. Journal of Cerebral Blood Flow and Metabolism, 1990, 10, 180-189.	4.3	93
64	Double-Tracer Study of the Fine Regional Bloodâ€”Brain Glucose Transfer in the Rat by Computer-Assisted Autoradiography. Journal of Cerebral Blood Flow and Metabolism, 1985, 5, 282-289.	4.3	91
65	In Vivo Measurement of Dopamine Receptors in Human Brain by Positron Emission Tomography Age and Sex Differences. Annals of the New York Academy of Sciences, 1988, 515, 203-214.	3.8	91
66	Postâ€ischemic coma in rat: effect of different preâ€ischemic blood glucose levels on cerebral metabolic recovery after ischemia. Acta Physiologica Scandinavica, 1980, 110, 225-232.	2.2	90
67	Modulation of substrate transport to the brain. Acta Neurologica Scandinavica, 1983, 67, 3-25.	2.1	90
68	Cerebral Blood Flow and Blood Volume Measured by Magnetic Resonance Imaging Bolus Tracking After Acute Stroke in Pigs. Stroke, 2000, 31, 1958-1964.	2.0	90
69	Cerebral Metabolic Response to Low Blood Flow: Possible Role of Cytochrome Oxidase Inhibition. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, 1183-1196.	4.3	90
70	Is lactate a volume transmitter of metabolic states of the brain?. Frontiers in Neuroenergetics, 2012, 4, 5.	5.3	90
71	The Minimal Energetic Requirement of Sustained Awareness after Brain Injury. Current Biology, 2016, 26, 1494-1499.	3.9	88
72	Normalization in PET group comparison studiesâ€”The importance of a valid reference region. NeuroImage, 2008, 40, 529-540.	4.2	87

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73	Blood?Brain Transfer of Glucose and Glucose Analogs in Newborn Rats. Journal of Neurochemistry, 1986, 46, 1417-1428.	3.9	84
74	The Danish PET/depression project: PET findings in patients with major depression. Psychological Medicine, 2001, 31, 1147-1158.	4.5	83
75	Sex differences of human cortical blood flow and energy metabolism. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 2433-2440.	4.3	83
76	Estimates of Michaelis-Menten Constants for the Two Membranes of the Brain Endothelium. Journal of Cerebral Blood Flow and Metabolism, 1984, 4, 241-249.	4.3	82
77	Pharmacokinetics of Plasma 6-[18F]Fluoro-l-3,4-Dihydroxyphenylalanine ([18F]FDOPA) in Humans. Journal of Cerebral Blood Flow and Metabolism, 1993, 13, 668-675.	4.3	81
78	Effect of 5-HT on binding of [11C] WAY 100635 to 5-HT1A receptors in rat brain, assessed using in vivo microdialysis and PET after fenfluramine. Synapse, 2001, 41, 150-159.	1.2	80
79	A deformationâ€based morphometry study of patients with earlyâ€stage Parkinsonâ€™s disease. European Journal of Neurology, 2010, 17, 314-320.	3.3	80
80	Blood-Brain Glucose Transfer in Spreading Depression. Journal of Neurochemistry, 1981, 37, 807-812.	3.9	79
81	TMS of the occipital cortex induces tactile sensations in the fingers of blind Braille readers. Experimental Brain Research, 2008, 184, 193-200.	1.5	79
82	Artefactual subcortical hyperperfusion in PET studies normalized to global mean: Lessons from Parkinsonâ€™s disease. NeuroImage, 2009, 45, 249-257.	4.2	78
83	Rapid steadyâ€state analysis of bloodâ€brain glucose transfer in rat. Acta Physiologica Scandinavica, 1980, 108, 331-339.	2.2	77
84	Striatal L-DOPA Decarboxylase Activity in Parkinson's Disease In Vivo: Implications for the Regulation of Dopamine Synthesis. Journal of Neurochemistry, 1993, 61, 1538-1541.	3.9	76
85	Origin of Human Motor Readiness Field Linked to Left Middle Frontal Gyrus by MEG and PET. NeuroImage, 1998, 8, 214-220.	4.2	75
86	Cortical Sites of Sustained and Divided Attention in Normal Elderly Humans. NeuroImage, 1997, 6, 145-155.	4.2	74
87	Uniform distributions of glucose oxidation and oxygen extraction in gray matter of normal human brain: No evidence of regional differences of aerobic glycolysis. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 903-916.	4.3	74
88	Regulation of DOPA Decarboxylase Activity in Brain of Living Rat. Journal of Neurochemistry, 1995, 65, 1381-1390.	3.9	72
89	Cortical Responses to Sustained and Divided Attention in Alzheimer's Disease. NeuroImage, 1999, 10, 269-281.	4.2	71
90	Neuroprotection in hypothermia linked to redistribution of oxygen in brain. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 285, H17-H25.	3.2	71

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91	Glucose uptake and lumped constant variability in normal human hearts determined with [18F]fluorodeoxyglucoseâ˜†. Journal of Nuclear Cardiology, 1997, 4, 125-132.	2.1	69
92	Neural mechanisms of voluntary and involuntary recall: A PET study. Behavioural Brain Research, 2008, 186, 261-272.	2.2	69
93	Specific Binding of [11C]Raclopride and N-[3H]Propyl-Norapomorphine to Dopamine Receptors in Living Mouse Striatum: Occupancy by Endogenous Dopamine and Guanosine Triphosphateâ€“Free G Protein. Journal of Cerebral Blood Flow and Metabolism, 2002, 22, 596-604.	4.3	68
94	Inverse association between dopaminergic neurotransmission and Iowa Gambling Task performance in pathological gamblers and healthy controls. Scandinavian Journal of Psychology, 2011, 52, 28-34.	1.5	68
95	Relationship between residual cerebral blood flow and oxygen metabolism as predictive of ischemic tissue viability: sequential multitracer positron emission tomography scanning of middle cerebral artery occlusion during the critical first 6 hours after stroke in pigs. Journal of Neurosurgery, 2000, 93, 647-657.	1.6	67
96	Cortical Representation of Inward and Outward Radial Motion in Man. NeuroImage, 2001, 14, 1409-1415.	4.2	66
97	Effect of partial volume correction on estimates of the influx and cerebral metabolism of 6-[18F]fluoro-L-dopa studied with PET in normal control and Parkinson's disease subjects. Synapse, 2000, 37, 81-89.	1.2	65
98	Striatal dopamine release codes uncertainty in pathological gambling. Psychiatry Research - Neuroimaging, 2012, 204, 55-60.	1.8	65
99	Effects of acute nicotine on hemodynamics and binding of [11C]raclopride to dopamine D2,3 receptors in pig brain. NeuroImage, 2003, 19, 1127-1136.	4.2	64
100	Restored speech comprehension linked to activity in left inferior prefrontal and right temporal cortices in postlingual deafness. NeuroImage, 2006, 31, 842-852.	4.2	64
101	Exenatide Alters Myocardial Glucose Transport and Uptake Depending on Insulin Resistance and Increases Myocardial Blood Flow in Patients with Type 2 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2012, 97, E1165-E1169.	3.6	64
102	Nonpulsatile cardiopulmonary bypass disrupts the flow-metabolism couple in the brain. Journal of Thoracic and Cardiovascular Surgery, 1985, 90, 570-579.	0.8	62
103	Recruitment of the middle temporal area by tactile motion in congenital blindness. NeuroReport, 2009, 20, 543-547.	1.2	61
104	Relief of Fecal Incontinence by Sacral Nerve Stimulation Linked to Focal Brain Activation. Diseases of the Colon and Rectum, 2011, 54, 318-323.	1.3	61
105	STNâ€stimulation in Parkinson's disease restores striatal inhibition of thalamocortical projection. Human Brain Mapping, 2009, 30, 112-121.	3.6	59
106	Effects of subanaesthetic and anaesthetic doses of sevoflurane on regional cerebral blood flow in healthy volunteers. A positron emission tomographic study. Acta Anaesthesiologica Scandinavica, 2004, 48, 1268-1276.	1.6	58
107	Early synaptic dysfunction induced by Î±-synuclein in a rat model of Parkinsonâ€™s disease. Scientific Reports, 2017, 7, 6363.	3.3	58
108	Stimulus-dependent central processing of auditory stimuli: A PET study. Scandinavian Audiology, 1999, 28, 161-169.	0.5	57

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109	Spatially dissociated flow-metabolism coupling in brain activation. NeuroImage, 2004, 21, 507-515.	4.2	57
110	ADHD: increased dopamine receptor availability linked to attention deficit and low neonatal cerebral blood flow. Developmental Medicine and Child Neurology, 2004, 46, 179-183.	2.1	57
111	Photobiomodulation and Coenzyme Q10 Treatments Attenuate Cognitive Impairment Associated With Model of Transient Global Brain Ischemia in Artificially Aged Mice. Frontiers in Cellular Neuroscience, 2019, 13, 74.	3.7	57
112	The metabolic role of isoleucine in detoxification of ammonia in cultured mouse neurons and astrocytes. Neurochemistry International, 2007, 50, 1042-1051.	3.8	56
113	Data-driven intensity normalization of PET group comparison studies is superior to global mean normalization. NeuroImage, 2009, 46, 981-988.	4.2	56
114	The DaNeX Study of Embryonic Mesencephalic, Dopaminergic Tissue Grafted to a Minipig Model of Parkinson's Disease: Preliminary Findings of Effect of MPTP Poisoning on Striatal Dopaminergic Markers. Cell Transplantation, 2000, 9, 247-259.	2.5	55
115	PET Studies of Net Bloodâ€"Brain Clearance of FDOPA to Human Brain: Age-Dependent Decline of [18F]Fluorodopamine Storage Capacity. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, 807-819.	4.3	55
116	Bloodâ€"Brain Transfer and Metabolism of 6-[¹⁸F]Fluoro-L-DOPA in Rat. Journal of Cerebral Blood Flow and Metabolism, 1990, 10, 707-719.	4.3	54
117	Changes of Blood Flow and Oxygen Consumption in Visual Cortex of Living Humans. Advances in Experimental Medicine and Biology, 1997, 413, 205-208.	1.6	54
118	Reduction of Functional Capillary Density in Human Brain after Stroke. Journal of Cerebral Blood Flow and Metabolism, 1990, 10, 317-326.	4.3	52
119	Separate neural pathways for contour and biological-motion cues in motion-defined animal shapes. NeuroImage, 2003, 19, 246-252.	4.2	52
120	Mapping Neuroreceptors at work: on the Definition and Interpretation of Binding Potentials after 20 years of Progress. International Review of Neurobiology, 2005, 63, 1-20.	2.0	52
121	Cerebral oxygenation is reduced during hyperthermic exercise in humans. Acta Physiologica, 2010, 199, 63-70.	3.8	52
122	Improvement of brain tissue oxygenation by inhalation of carbogen. Neuroscience, 2008, 156, 932-938.	2.3	51
123	Subcortical elevation of metabolism in Parkinson's disease â€" A critical reappraisal in the context of global mean normalization. NeuroImage, 2009, 47, 1514-1521.	4.2	50
124	In Vivo Regulation of DOPA Decarboxylase by Dopamine Receptors in Rat Brain. Journal of Cerebral Blood Flow and Metabolism, 1997, 17, 1254-1260.	4.3	49
125	In vivo estimation of cerebral blood flow, oxygen consumption and glucose metabolism in the pig by [15O]water injection, [15O]oxygen inhalation and dual injections of [18F]fluorodeoxyglucose. Journal of Neuroscience Methods, 1997, 77, 199-209.	2.5	49
126	Oxygen Consumption of Cerebral Cortex Fails to Increase during Continued Vibrotactile Stimulation. Journal of Cerebral Blood Flow and Metabolism, 1999, 19, 266-271.	4.3	49

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127	Facilitated transport of glucose from blood to brain in man and the effect of moderate hypoglycaemia on cerebral glucose utilization. European Journal of Nuclear Medicine and Molecular Imaging, 1991, 18, 834-7.	2.1	48
128	Stimulation of subthalamic nucleus inhibits emotional activation of fusiform gyrus. NeuroImage, 2006, 33, 706-714.	4.2	48
129	Oxygen Consumption and Blood Flow Coupling in Human Motor Cortex during Intense Finger Tapping: Implication for a Role of Lactate. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 1859-1868.	4.3	48
130	Does deoxyglucose uptake in the brain reflect energy metabolism?. Biochemical Pharmacology, 1987, 36, 1853-1861.	4.4	47
131	Methylphenidateâ€Evoked Potentiation of Extracellular Dopamine in the Brain of Adolescents with Premature Birth. Annals of the New York Academy of Sciences, 2002, 965, 434-439.	3.8	47
132	Cognitive and Emotional Modulation of Brain Default Operation. Journal of Cognitive Neuroscience, 2009, 21, 1065-1080.	2.3	47
133	Brain PET Imaging of Î±7-nAChR with [18F]ASEM: Reproducibility, Occupancy, Receptor Density, and Changes in Schizophrenia. International Journal of Neuropsychopharmacology, 2018, 21, 656-667.	2.1	47
134	Parametric and Regional Maps of Free Serotonin 5HT1A Receptor Sites in Human Brain as Function of Age in Healthy Humans. Neuropsychopharmacology, 2007, 32, 1707-1714.	5.4	46
135	Effects of liraglutide on neurodegeneration, blood flow and cognition in AlzheimerÂ´s disease - protocol for a controlled, randomized double-blinded trial. Danish Medical Journal, 2012, 59, A4519.	0.5	46
136	Prediction of tissue survival after middle cerebral artery occlusion based on changes in the apparent diffusion of water. Journal of Neurosurgery, 2001, 95, 450-458.	1.6	45
137	Activation of Human Extrageniculostriate Pathways after Damage to Area V1. NeuroImage, 1999, 9, 97-107.	4.2	44
138	Dopamine Storage Capacity in Caudate and Putamen of Patients with Early Parkinson's Disease: Correlation with Asymmetry of Motor Symptoms. Journal of Cerebral Blood Flow and Metabolism, 2006, 26, 358-370.	4.3	44
139	Blood?Brain Glucose Transport in the Conscious Rat: Comparison of the Intravenous and Intracarotid Injection Methods. Journal of Neurochemistry, 1980, 35, 1375-1381.	3.9	42
140	Cerebral Blood Flow Change in Arterial Hypoxemia Is Consistent with Negligible Oxygen Tension in Brain Mitochondria. NeuroImage, 2002, 17, 1876-1881.	4.2	41
141	A Kinetic Analysis of 6â€[¹⁸F]Fluoroâ€<scp>l</scp>â€Dihydroxyphenylalanine Metabolism in the Rat. Journal of Neurochemistry, 1994, 63, 1675-1682.	3.9	41
142	Lactate Transport and Receptor Actions in Retina: Potential Roles in Retinal Function and Disease. Neurochemical Research, 2016, 41, 1229-1236.	3.3	41
143	Quantitative [18F]Fluorodopa/PET and Histology of Fetal Mesencephalic Dopaminergic Grafts to the Striatum of MPTP-Poisoned Minipigs. Cell Transplantation, 2002, 11, 733-746.	2.5	40
144	Glucagon-Like Peptide-1 Decreases Intracerebral Glucose Content by Activating Hexokinase and Changing Glucose Clearance during Hyperglycemia. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 2146-2152.	4.3	40

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145	Noradrenergic Deficits in Parkinson Disease Imaged with ¹¹C-MeNER. Journal of Nuclear Medicine, 2018, 59, 659-664.	5.0	40
146	Transcranial Recording of Electrophysiological Neural Activity in the Rodent Brain in vivo Using Functional Photoacoustic Imaging of Near-Infrared Voltage-Sensitive Dye. Frontiers in Neuroscience, 2019, 13, 579.	2.8	40
147	Chapter 30: Density of perfused capillaries in living human brain during functional activation. Progress in Brain Research, 1992, 91, 209-215.	1.4	39
148	The Danish PET/depression project: Performance on Stroop's test linked to white matter lesions in the brain. Psychiatry Research - Neuroimaging, 2004, 130, 117-130.	1.8	39
149	Glucagon-Like Peptide-1 Inhibits Blood-Brain Glucose Transfer in Humans. Diabetes, 2008, 57, 325-331.	0.6	39
150	Normalization of markers for dopamine innervation in striatum of MPTP-lesioned miniature pigs with intrastriatal grafts. Acta Neurologica Scandinavica, 2001, 103, 309-315.	2.1	38
151	Serotonergic modulation of receptor occupancy in rats treated with <scp>l</scp>â€ÐOPA after unilateral 6â€ÐHDA lesioning. Journal of Neurochemistry, 2012, 120, 806-817.	3.9	37
152	Stimulation of dopa decarboxylase activity in striatum of healthy human brain secondary to NMDA receptor antagonism with a low dose of amantadine. , 1999, 34, 313-318.		36
153	The Danish PET/depression project: poor verbal fluency performance despite normal prefrontal activation in patients with major depression. Psychiatry Research - Neuroimaging, 2003, 123, 49-63.	1.8	36
154	MDMA-evoked changes in [11C]raclopride and [11C]NMSP binding in living pig brain. Synapse, 2004, 53, 222-233.	1.2	36
155	Glucose metabolism in small subcortical structures in Parkinsonâ€™s disease. Acta Neurologica Scandinavica, 2012, 125, 303-310.	2.1	36
156	3-O-methyldopa administration does not alter fluorodopa transport into the brain. Annals of Neurology, 1992, 31, 638-643.	5.3	35
157	PET neuroimaging with [11C]venlafaxine:. European Neuropsychopharmacology, 1997, 7, 195-200.	0.7	35
158	ADHD: increased dopamine receptor availability linked to attention deficit and low neonatal cerebral blood flow. Developmental Medicine and Child Neurology, 2004, 46, 179-83.	2.1	35
159	Patternâ€“motion selectivity in the human pulvinar. NeuroImage, 2005, 28, 474-480.	4.2	35
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