Pirjo Nuutila

List of Publications by Year
in descending order

242 papers	18,486 citations	17440 63 h-index	14759 127 g-index

255 all docs	255 docs citations	255 times ranked	18550 citing authors

#	Article	IF	Citations
1	Beige Adipocytes Are a Distinct Type of Thermogenic Fat Cell in Mouse and Human. Cell, 2012, 150, 366-376.	28.9	2,740
2	Functional Brown Adipose Tissue in Healthy Adults. New England Journal of Medicine, 2009, 360, 1518-1525.	27.0	2,683
3	Effect of Laparoscopic Sleeve Gastrectomy vs Laparoscopic Roux-en-Y Gastric Bypass on Weight Loss at 5 Years Among Patients With Morbid Obesity. JAMA - Journal of the American Medical Association, 2018, 319, 241.	7.4	711
4	Different Metabolic Responses of Human Brown Adipose Tissue to Activation by Cold and Insulin. Cell Metabolism, 2011, 14, 272-279.	16.2	609
5	Evidence for two types of brown adipose tissue in humans. Nature Medicine, 2013, 19, 631-634.	30.7	563
6	Glucose-free fatty acid cycle operates in human heart and skeletal muscle in vivo.. Journal of Clinical Investigation, 1992, 89, 1767-1774.	8.2	261
7	Glucose Uptake and Perfusion in Subcutaneous and Visceral Adipose Tissue during Insulin Stimulation in Nonobese and Obese Humans. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 3902-3910.	3.6	259
8	Blunted metabolic responses to cold and insulin stimulation in brown adipose tissue of obese humans. Obesity, 2013, 21, 2279-2287.	3.0	217
9	Free Fatty Acid Depletion Acutely Decreases Cardiac Work and Efficiency in Cardiomyopathic Heart Failure. Circulation, 2006, 114, 2130-2137.	1.6	212
10	Gender and Insulin Sensitivity in the Heart and in Skeletal Muscles: Studies Using Positron Emission Tomography. Diabetes, 1995, 44, 31-36.	0.6	203
11	Dorsal Striatum and Its Limbic Connectivity Mediate Abnormal Anticipatory Reward Processing in Obesity. PLoS ONE, 2012, 7, e31089.	2.5	182
12	Obesity Is Associated with Decreased Î¼-Opioid But Unaltered Dopamine D₂Receptor Availability in the Brain. Journal of Neuroscience, 2015, 35, 3959-3965.	3.6	178
13	Secretin-Activated Brown Fat Mediates Prandial Thermogenesis to Induce Satiation. Cell, 2018, 175, 1561-1574.e12.	28.9	167
14	Increased Brain Fatty Acid Uptake in Metabolic Syndrome. Diabetes, 2010, 59, 2171-2177.	0.6	165
15	Exercise Training Modulates Gut Microbiota Profile and Improves Endotoxemia. Medicine and Science in Sports and Exercise, 2020, 52, 94-104.	0.4	159
16	The SGLT2 Inhibitor Dapagliflozin Reduces Liver Fat but Does Not Affect Tissue Insulin Sensitivity: A Randomized, Double-Blind, Placebo-Controlled Study With 8-Week Treatment in Type 2 Diabetes Patients. Diabetes Care, 2019, 42, 931-937.	8.6	147
17	Rosiglitazone but Not Metformin Enhances Insulin- and Exercise-Stimulated Skeletal Muscle Glucose Uptake in Patients With Newly Diagnosed Type 2 Diabetes. Diabetes, 2002, 51, 3479-3485.	0.6	146
18	Postprandial Oxidative Metabolism of Human Brown Fat Indicates Thermogenesis. Cell Metabolism, 2018, 28, 207-216.e3.	16.2	146

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19	Differential Effects of Rosiglitazone and Metformin on Adipose Tissue Distribution and Glucose Uptake in Type 2 Diabetic Subjects. Diabetes, 2003, 52, 283-290.	0.6	144
20	Fatty Acid Metabolism in the Liver, Measured by Positron Emission Tomography, Is Increased in Obese Individuals. Gastroenterology, 2010, 139, 846-856.e6.	1.3	144
21	Human brown adipose tissue [15O]O2 PET imaging in the presence and absence of cold stimulus. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 1878-1886.	6.4	144
22	Role of blood flow in regulating insulin-stimulated glucose uptake in humans. Studies using bradykinin, [15O]water, and [18F]fluoro-deoxy-glucose and positron emission tomography.. Journal of Clinical Investigation, 1996, 97, 1741-1747.	8.2	141
23	TGF-Î²2 is an exercise-induced adipokine that regulates glucose and fatty acid metabolism. Nature Metabolism, 2019, 1, 291-303.	11.9	128
24	Adult attachment style is associated with cerebral Î¼â€opioid receptor availability in humans. Human Brain Mapping, 2015, 36, 3621-3628.	3.6	119
25	Insulin resistance characterizes glucose uptake in skeletal muscle but not in the heart in NIDDM. Diabetologia, 1998, 41, 555-559.	6.3	117
26	Insulin resistance of glucose uptake in skeletal muscle cannot be ameliorated by enhancing endothelium-dependent blood flow in obesity.. Journal of Clinical Investigation, 1998, 101, 1156-1162.	8.2	114
27	Enhanced oxygen extraction and reduced flow heterogeneity in exercising muscle in endurance-trained men. American Journal of Physiology - Endocrinology and Metabolism, 2001, 280, E1015-E1021.	3.5	113
28	Nonalcoholic Fatty Liver Disease: Rapid Evaluation of Liver Fat Content with In-Phase and Out-of-Phase MR Imaging. Radiology, 2009, 250, 130-136.	7.3	110
29	Use of positron emission tomography with methyl-11C-choline and 2-18F-fluoro-2-deoxy-D-glucose in comparison with magnetic resonance imaging for the assessment of inflammatory proliferation of synovium. Arthritis and Rheumatism, 2003, 48, 3077-3084.	6.7	107
30	Human brown adipose tissue is phenocopied by classical brown adipose tissue in physiologically humanized mice. Nature Metabolism, 2019, 1, 830-843.	11.9	103
31	Effect of Weight Loss on Liver Free Fatty Acid Uptake and Hepatic Insulin Resistance. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 50-55.	3.6	102
32	Effect of Laparoscopic Sleeve Gastrectomy vs Roux-en-Y Gastric Bypass on Weight Loss, Comorbidities, and Reflux at 10 Years in Adult Patients With Obesity. JAMA Surgery, 2022, 157, 656.	4.3	101
33	Human adipose tissue glucose uptake determined using [18 F]-fluoro-deoxy-glucose ([18 F]FDG) and PET in combination with microdialysis. Diabetologia, 2001, 44, 2171-2179.	6.3	99
34	Increased Fat Mass Compensates for Insulin Resistance in Abdominal Obesity and Type 2 Diabetes. Diabetes, 2005, 54, 2720-2726.	0.6	99
35	Effect of Laparoscopic Sleeve Gastrectomy vs Roux-en-Y Gastric Bypass on Weight Loss and Quality of Life at 7 Years in Patients With Morbid Obesity. JAMA Surgery, 2021, 156, 137.	4.3	99
36	Skeletal muscle blood flow and oxygen uptake at rest and during exercise in humans: a pet study with nitric oxide and cyclooxygenase inhibition. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 300, H1510-H1517.	3.2	95

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37	Hyperthyroidism Increases Brown Fat Metabolism in Humans. Journal of Clinical Endocrinology and Metabolism, 2014, 99, E28-E35.	3.6	95
38	Effects of Insulin on Brain Glucose Metabolism in Impaired Glucose Tolerance. Diabetes, 2011, 60, 443-447.	0.6	94
39	Rosiglitazone Improves Myocardial Glucose Uptake in Patients With Type 2 Diabetes and Coronary Artery Disease: A 16-Week Randomized, Double-Blind, Placebo-Controlled Study. Diabetes, 2005, 54, 2787-2794.	0.6	92
40	Insulin-stimulated glucose uptake in skeletal muscle, adipose tissue and liver: a positron emission tomography study. European Journal of Endocrinology, 2018, 178, 523-531.	3.7	92
41	Quantitative blood flow measurement of skeletal muscle using oxygen-15-water and PET. Journal of Nuclear Medicine, 1997, 38, 314-9.	5.0	92
42	Lumped constant for [¹⁸F]fluorodeoxyglucose in skeletal muscles of obese and nonobese humans. American Journal of Physiology - Endocrinology and Metabolism, 2000, 279, E1122-E1130.	3.5	89
43	BATLAS: Deconvoluting Brown Adipose Tissue. Cell Reports, 2018, 25, 784-797.e4.	6.4	89
44	Enhancement of insulin-stimulated myocardial glucose uptake in patients with Type 2 diabetes treated with rosiglitazone. Diabetic Medicine, 2004, 21, 1280-1287.	2.3	87
45	The Effects of Bariatric Surgery on Pancreatic Lipid Metabolism and Blood Flow. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 2015-2023.	3.6	86
46	Peroxisome Proliferator Activated Receptor Gamma Controls Mature Brown Adipocyte Inducibility through Glycerol Kinase. Cell Reports, 2018, 22, 760-773.	6.4	86
47	Effect of bariatric surgery on liver glucose metabolism in morbidly obese diabetic and non-diabetic patients. Journal of Hepatology, 2014, 60, 377-383.	3.7	85
48	Changes in bone metabolism after bariatric surgery by gastric bypass or sleeve gastrectomy. Bone, 2017, 95, 47-54.	2.9	83
49	Exercise training decreases pancreatic fat content and improves beta cell function regardless of baseline glucose tolerance: a randomised controlled trial. Diabetologia, 2018, 61, 1817-1828.	6.3	82
50	Adenosine/A2B Receptor Signaling Ameliorates the Effects of Aging and Counteracts Obesity. Cell Metabolism, 2020, 32, 56-70.e7.	16.2	77
51	Weight loss after bariatric surgery normalizes brain opioid receptors in morbid obesity. Molecular Psychiatry, 2016, 21, 1057-1062.	7.9	76
52	Î¼-opioid receptor system mediates reward processing in humans. Nature Communications, 2018, 9, 1500.	12.8	76
53	Skeletal muscle blood flow and flow heterogeneity during dynamic and isometric exercise in humans. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 284, H979-H986.	3.2	75
54	Organ-Specific Physiological Responses to Acute Physical Exercise and Long-Term Training in Humans. Physiology, 2014, 29, 421-436.	3.1	75

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55	Neural Circuits for Cognitive Appetite Control in Healthy and Obese Individuals: An fMRI Study. PLoS ONE, 2015, 10, e0116640.	2.5	74
56	Kinetic modeling of [¹⁸F]FDG in skeletal muscle by PET: a four-compartment five-rate-constant model. American Journal of Physiology - Endocrinology and Metabolism, 2001, 281, E524-E536.	3.5	73
57	Insulin-Mediated Hepatic Glucose Uptake Is Impaired in Type 2 Diabetes: Evidence for a Relationship with Glycemic Control. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 2055-2060.	3.6	73
58	Insulin action on heart and skeletal muscle glucose uptake in essential hypertension.. Journal of Clinical Investigation, 1995, 96, 1003-1009.	8.2	72
59	Behavioural activation system sensitivity is associated with cerebral Î¼-opioid receptor availability. Social Cognitive and Affective Neuroscience, 2016, 11, 1310-1316.	3.0	69
60	Intact insulin stimulation of skeletal muscle blood flow, its heterogeneity and redistribution, but not of glucose uptake in non-insulin-dependent diabetes mellitus.. Journal of Clinical Investigation, 1997, 100, 777-785.	8.2	66
61	In vivo imaging of beta cells with radiotracers: state of the art, prospects and recommendations for development and use. Diabetologia, 2016, 59, 1340-1349.	6.3	65
62	18F-FDG positron emission tomography/computed tomography in infective endocarditis. Journal of Nuclear Cardiology, 2017, 24, 195-206.	2.1	64
63	Feeding Releases Endogenous Opioids in Humans. Journal of Neuroscience, 2017, 37, 8284-8291.	3.6	64
64	Insulin stimulates liver glucose uptake in humans: an 18F-FDG PET Study. Journal of Nuclear Medicine, 2003, 44, 682-9.	5.0	64
65	Evidence for Dissociation of Insulin Stimulation of Blood Flow and Glucose Uptake in Human Skeletal Muscle: Studies Using [15O]H2O, [18F]fluoro-2-deoxy-D-glucose, and Positron Emission Tomography. Diabetes, 1996, 45, 1471-1477.	0.6	63
66	Comparison of short-term outcome of laparoscopic sleeve gastrectomy and gastric bypass in the treatment of morbid obesity: A prospective randomized controlled multicenter SLEEVEPASS study with 6-month follow-up. Scandinavian Journal of Surgery, 2014, 103, 175-181.	2.6	62
67	Metformin treatment significantly enhances intestinal glucose uptake in patients with type 2 diabetes: Results from a randomized clinical trial. Diabetes Research and Clinical Practice, 2017, 131, 208-216.	2.8	62
68	Quantification of Liver Glucose Metabolism by Positron Emission Tomography: Validation Study in Pigs. Gastroenterology, 2007, 132, 531-542.	1.3	61
69	Aberrant mesolimbic dopamineâ€“opiate interaction in obesity. NeuroImage, 2015, 122, 80-86.	4.2	61
70	Laparoscopic Roux-en-Y gastric bypass versus laparoscopic sleeve gastrectomy: 5-year outcomes of merged data from two randomized clinical trials (SLEEVEPASS and SM-BOSS). British Journal of Surgery, 2021, 108, 49-57.	0.3	61
71	Interindividual variability and lateralization of Î¼-opioid receptors in the human brain. NeuroImage, 2020, 217, 116922.	4.2	60
72	Single Nucleotide Polymorphisms in the Peroxisome Proliferator-Activated Receptor Â Gene Are Associated With Skeletal Muscle Glucose Uptake. Diabetes, 2005, 54, 3587-3591.	0.6	57

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73	Effect of antilipolysis on heart and skeletal muscle glucose uptake in overnight fasted humans. American Journal of Physiology - Endocrinology and Metabolism, 1994, 267, E941-E946.	3.5	56
74	Effects of Metformin and Rosiglitazone Monotherapy on Insulin-Mediated Hepatic Glucose Uptake and Their Relation to Visceral Fat in Type 2 Diabetes. Diabetes Care, 2003, 26, 2069-2074.	8.6	56
75	Comparison of exogenous adenosine and voluntary exercise on human skeletal muscle perfusion and perfusion heterogeneity. Journal of Applied Physiology, 2010, 108, 378-386.	2.5	56
76	Brown Adipose Tissue in Humans. Methods in Enzymology, 2014, 537, 141-159.	1.0	56
77	Enhanced stimulation of glucose uptake by insulin increases exercise-stimulated glucose uptake in skeletal muscle in humans: studies using [15O]O2, [15O]H2O, [18F]fluoro-deoxy-glucose, and positron emission tomography.. Diabetes, 2000, 49, 1084-1091.	0.6	55
78	Effects of weight loss on visceral and abdominal subcutaneous adipose tissue blood-flow and insulin-mediated glucose uptake in healthy obese subjects. Annals of Medicine, 2009, 41, 152-160.	3.8	55
79	64Cu- and 68Ga-Labelled [Nle14,Lys40(Ahx-NODAGA)NH2]-Exendin-4 for Pancreatic Beta Cell Imaging in Rats. Molecular Imaging and Biology, 2014, 16, 255-263.	2.6	55
80	Human Brown Fat Radiodensity Indicates Underlying Tissue Composition and Systemic Metabolic Health. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 2258-2267.	3.6	55
81	Glucose Uptake and Perfusion in Subcutaneous and Visceral Adipose Tissue during Insulin Stimulation in Nonobese and Obese Humans. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 3902-3910.	3.6	55
82	Skeletal Muscle Glucose Uptake Response to Exercise in Trained and Untrained Men. Medicine and Science in Sports and Exercise, 2003, 35, 777-783.	0.4	54
83	miR-125b affects mitochondrial biogenesis and impairs brite adipocyte formation and function. Molecular Metabolism, 2016, 5, 615-625.	6.5	54
84	Inverse association between liver fat content and hepatic glucose uptake in patients with type 2 diabetes mellitus. Metabolism: Clinical and Experimental, 2008, 57, 1445-1451.	3.4	53
85	Weight Loss After Bariatric Surgery Reverses Insulin-Induced Increases in Brain Glucose Metabolism of the Morbidly Obese. Diabetes, 2013, 62, 2747-2751.	0.6	53
86	Dissociable Roles of Cerebral Î¼-Opioid and Type 2 Dopamine Receptors in Vicarious Pain: A Combined PETâ€“fMRI Study. Cerebral Cortex, 2017, 27, 4257-4266.	2.9	51
87	Relationship between muscle blood flow and oxygen uptake during exercise in endurance-trained and untrained men. Journal of Applied Physiology, 2005, 98, 380-383.	2.5	50
88	Increased physical activity decreases hepatic free fatty acid uptake: a study in human monozygotic twins. Journal of Physiology, 2007, 578, 347-358.	2.9	50
89	Effect of Bariatric Surgery on Adipose Tissue Glucose Metabolism in Different Depots in Patients With or Without Type 2 Diabetes. Diabetes Care, 2016, 39, 292-299.	8.6	50
90	MR signal-fat-fraction analysis and T2* weighted imaging measure BAT reliably on humans without cold exposure. Metabolism: Clinical and Experimental, 2017, 70, 23-30.	3.4	48

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91	Insulin resistance is localized to skeletal but not heart muscle in type 1 diabetes. American Journal of Physiology - Endocrinology and Metabolism, 1993, 264, E756-E762.	3.5	46
92	Decreased insulinâ€stimulated brown adipose tissue glucose uptake after shortâ€term exercise training in healthy middleâ€aged men. Diabetes, Obesity and Metabolism, 2017, 19, 1379-1388.	4.4	46
93	Different alterations in the insulin-stimulated glucose uptake in the athlete's heart and skeletal muscle.. Journal of Clinical Investigation, 1994, 93, 2267-2274.	8.2	45
94	Higher Free Fatty Acid Uptake in Visceral Than in Abdominal Subcutaneous Fat Tissue in Men. Obesity, 2010, 18, 261-265.	3.0	44
95	Lowered endogenous mu-opioid receptor availability in subclinical depression and anxiety. Neuropsychopharmacology, 2020, 45, 1953-1959.	5.4	44
96	In vivo effects of insulin on tumor and skeletal muscle glucose metabolism in patients with lymphoma. Cancer, 1994, 73, 1490-1498.	4.1	43
97	Non-esterified fatty acids impair insulin-mediated glucose uptake and disposition in the liver. Diabetologia, 2004, 47, 1149-1156.	6.3	43
98	m.3243A>G Mutation in Mitochondrial DNA Leads to Decreased Insulin Sensitivity in Skeletal Muscle and to Progressive Î²-Cell Dysfunction. Diabetes, 2009, 58, 543-549.	0.6	43
99	Brown adipose tissue triglyceride content is associated with decreased insulin sensitivity, independently of age and obesity. Diabetes, Obesity and Metabolism, 2015, 17, 516-519.	4.4	43
100	Adipose tissue and skeletal muscle insulin-mediated glucose uptake in insulin resistance: role of blood flow and diabetes. American Journal of Clinical Nutrition, 2018, 108, 749-758.	4.7	43
101	Obesity-associated intestinal insulin resistance is ameliorated after bariatric surgery. Diabetologia, 2015, 58, 1055-1062.	6.3	42
102	Effects of 6â€‰weeks of treatment with dapagliflozin, a sodiumâ€glucose coâ€transporterâ€2 inhibitor, on myocardial function and metabolism in patients with type 2 diabetes: A randomized, placeboâ€controlled, exploratory study. Diabetes, Obesity and Metabolism, 2021, 23, 1505-1517.	4.4	42
103	Effects of Age, Diet, and Type 2 Diabetes on the Development and FDG Uptake of Atherosclerotic Plaques. JACC: Cardiovascular Imaging, 2011, 4, 1294-1301.	5.3	41
104	Accuracy of ¹⁸F-FDG PET/CT, Multidetector CT, and MR Imaging in the Diagnosis of Pancreatic Cysts: A Prospective Single-Center Study. Journal of Nuclear Medicine, 2015, 56, 1163-1168.	5.0	41
105	Secretin activates brown fat and induces satiation. Nature Metabolism, 2021, 3, 798-809.	11.9	41
106	Free fatty acid uptake in the myocardium and skeletal muscle using fluorine-18-fluoro-6-thia-heptadecanoic acid. Journal of Nuclear Medicine, 1998, 39, 1320-7.	5.0	40
107	Resistance to Exercise-Induced Increase in Glucose Uptake During Hyperinsulinemia in Insulin-Resistant Skeletal Muscle of Patients With Type 1 Diabetes. Diabetes, 2001, 50, 1371-1377.	0.6	38
108	The lowering of hepatic fatty acid uptake improves liver function and insulin sensitivity without affecting hepatic fat content in humans. American Journal of Physiology - Endocrinology and Metabolism, 2008, 295, E413-E419.	3.5	38

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109	Validation of [18F]fluorodeoxyglucose and positron emission tomography (PET) for the measurement of intestinal metabolism in pigs, and evidence of intestinal insulin resistance in patients with morbid obesity. Diabetologia, 2013, 56, 893-900.	6.3	37
110	Measurement of brown adipose tissue mass using a novel dual-echo magnetic resonance imaging approach: A validation study. Metabolism: Clinical and Experimental, 2013, 62, 1189-1198.	3.4	37
111	Brown adipose tissue lipid metabolism in morbid obesity: Effect of bariatric surgeryâ€induced weight loss. Diabetes, Obesity and Metabolism, 2018, 20, 1280-1288.	4.4	37
112	A Partial Loss-of-Function Variant in AKT2 Is Associated With Reduced Insulin-Mediated Glucose Uptake in Multiple Insulin-Sensitive Tissues: A Genotype-Based Callback Positron Emission Tomography Study. Diabetes, 2018, 67, 334-342.	0.6	37
113	Brain glucose uptake is associated with endogenous glucose production in obese patients before and after bariatric surgery and predicts metabolic outcome at followâ€up. Diabetes, Obesity and Metabolism, 2019, 21, 218-226.	4.4	36
114	Functional imaging with 11C-metomidate PET for subtype diagnosis in primary aldosteronism. European Journal of Endocrinology, 2020, 183, 539-550.	3.7	36
115	14(R , S)-[18 F]Fluoro-6-thia-heptadecanoic acid as a tracer of free fatty acid uptake and oxidation in myocardium and skeletal muscle. European Journal of Nuclear Medicine and Molecular Imaging, 2002, 29, 1617-1622.	6.4	35
116	Insulinâ€•and Exerciseâ€Stimulated Skeletal Muscle Blood Flow and Glucose Uptake in Obese Men. Obesity, 2003, 11, 257-265.	4.0	35
117	Myocardial perfusion, oxidative metabolism, and free fatty acid uptake in patients with hypertrophic cardiomyopathy attributable to the Asp175Asn mutation in the Î±-tropomyosin gene: A positron emission tomography study. Journal of Nuclear Cardiology, 2007, 14, 354-365.	2.1	35
118	Basal and cold-induced fatty acid uptake of human brown adipose tissue is impaired in obesity. Scientific Reports, 2020, 10, 14373.	3.3	35
119	Ability of two new thyrotropin (TSH) assays to separate hyperthyroid patients from euthyroid patients with low TSH. Clinical Chemistry, 1994, 40, 101-105.	3.2	33
120	Pancreatic Metabolism, Blood Flow, and Î²-Cell Function in Obese Humans. Journal of Clinical Endocrinology and Metabolism, 2014, 99, E981-E990.	3.6	33
121	18F-FDG assessment of glucose disposal and production rates during fasting and insulin stimulation: a validation study. Journal of Nuclear Medicine, 2006, 47, 1016-22.	5.0	33
122	Relationship between limb and muscle blood flow in man.. Journal of Physiology, 1996, 496, 543-549.	2.9	32
123	The effects of acute hyperinsulinemia on bone metabolism. Endocrine Connections, 2015, 4, 155-162.	1.9	32
124	Cannabinoid Type 1 Receptors Are Upregulated During Acute Activation of Brown Adipose Tissue. Diabetes, 2018, 67, 1226-1236.	0.6	32
125	Opioidergic Regulation of Emotional Arousal: A Combined PETâ€“fMRI Study. Cerebral Cortex, 2019, 29, 4006-4016.	2.9	32
126	Brain Glucose Metabolism in Health, Obesity, and Cognitive Declineâ€”Does Insulin Have Anything to Do with It? A Narrative Review. Journal of Clinical Medicine, 2021, 10, 1532.	2.4	32

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127	The Effect of the Ala12Allele of the Peroxisome Proliferator-Activated Receptor-Î³2 Gene on Skeletal Muscle Glucose Uptake Depends on Obesity: A Positron Emission Tomography Study. Journal of Clinical Endocrinology and Metabolism, 2005, 90, 4249-4254.	3.6	31
128	Rosiglitazone Treatment Increases Subcutaneous Adipose Tissue Glucose Uptake in Parallel with Perfusion in Patients with Type 2 Diabetes: A Double-Blind, Randomized Study with Metformin. Journal of Clinical Endocrinology and Metabolism, 2005, 90, 6523-6528.	3.6	31
129	Binge eating disorder and morbid obesity are associated with lowered mu-opioid receptor availability in the brain. Psychiatry Research - Neuroimaging, 2018, 276, 41-45.	1.8	31
130	Insulin Resistance Is Associated With Enhanced Brain Glucose Uptake During Euglycemic Hyperinsulinemia: A Large-Scale PET Cohort. Diabetes Care, 2021, 44, 788-794.	8.6	31
131	Use of positron emission tomography in the assessment of skeletal muscle and tendon metabolism and perfusion. Scandinavian Journal of Medicine and Science in Sports, 2000, 10, 346-350.	2.9	30
132	Resistance training improves skeletal muscle insulin sensitivity in elderly offspring of overweight and obese mothers. Diabetologia, 2016, 59, 77-86.	6.3	30
133	Estimation of blood flow heterogeneity distribution in human skeletal muscle from positron emission tomography data. Annals of Biomedical Engineering, 1997, 25, 906-910.	2.5	29
134	Sodium nitroprusside increases human skeletal muscle blood flow, but does not change flow distribution or glucose uptake. Journal of Physiology, 1999, 521, 729-737.	2.9	29
135	Myocardial perfusion reserve and oxidative metabolism contribute to exercise capacity in patients with dilated cardiomyopathy. Journal of Cardiac Failure, 2004, 10, 132-140.	1.7	29
136	Non-invasive estimation of hepatic blood perfusion from H2 15O PET images using tissue-derived arterial and portal input functions. European Journal of Nuclear Medicine and Molecular Imaging, 2008, 35, 1899-1911.	6.4	29
137	Muscle oxygen extraction and perfusion heterogeneity during continuous and intermittent static exercise. Journal of Applied Physiology, 2003, 94, 953-958.	2.5	28
138	In Vivo Measurements of Glucose Uptake in Human Achilles Tendon During Different Exercise Intensities. International Journal of Sports Medicine, 2005, 26, 727-731.	1.7	28
139	Human Bone Marrow Adipose Tissue is a Metabolically Active and Insulin-Sensitive Distinct Fat Depot. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 2300-2310.	3.6	28
140	Type 2 diabetes enhances arterial uptake of choline in atherosclerotic mice: an imaging study with positron emission tomography tracer 18F-fluoromethylcholine. Cardiovascular Diabetology, 2016, 15, 26.	6.8	27
141	Brain free fatty acid uptake is elevated in morbid obesity, and is irreversible 6â€‰months after bariatric surgery: A positron emission tomography study. Diabetes, Obesity and Metabolism, 2020, 22, 1074-1082.	4.4	27
142	Human obesity is characterized by defective fat storage and enhanced muscle fatty acid oxidation, and trimetazidine gradually counteracts these abnormalities. American Journal of Physiology - Endocrinology and Metabolism, 2011, 301, E105-E112.	3.5	26
143	Bone mineral density is increased after a 16-week resistance training intervention in elderly women with decreased muscle strength. European Journal of Endocrinology, 2016, 175, 571-582.	3.7	26
144	Fatty acid uptake and blood flow in adipose tissue compartments of morbidly obese subjects with or without type 2 diabetes: effects of bariatric surgery. American Journal of Physiology - Endocrinology and Metabolism, 2017, 313, E175-E182.	3.5	26

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145	Blood transit time heterogeneity is associated to oxygen extraction in exercising human skeletal muscle. Microvascular Research, 2004, 67, 125-132.	2.5	25
146	Cerebral oxygen and glucose metabolism in patients with mitochondrial m.3243A>G mutation. Brain, 2009, 132, 3274-3284.	7.6	25
147	Renal hemodynamics and fatty acid uptake: effects of obesity and weight loss. American Journal of Physiology - Endocrinology and Metabolism, 2019, 317, E871-E878.	3.5	25
148	The Cannabinoid Receptor-1 Is an Imaging Biomarker of Brown Adipose Tissue. Journal of Nuclear Medicine, 2015, 56, 1937-1941.	5.0	24
149	Increased Liver Fatty Acid Uptake Is Partly Reversed and Liver Fat Content Normalized After Bariatric Surgery. Diabetes Care, 2018, 41, 368-371.	8.6	23
150	Liver uptake of free fatty acids in vivo in humans as determined with 14(R , S)-[18 F]fluoro-6-thia-heptadecanoic acid and PET. European Journal of Nuclear Medicine and Molecular Imaging, 2003, 30, 1160-1164.	6.4	22
151	Reversibility of myocardial metabolism and remodelling in morbidly obese patients 6 months after bariatric surgery. Diabetes, Obesity and Metabolism, 2018, 20, 963-973.	4.4	22
152	Prognostic imaging biomarkers for diabetic kidney disease (iBEAt): study protocol. BMC Nephrology, 2020, 21, 242.	1.8	22
153	Systemic metabolic markers and myocardial glucose uptake in type 2 diabetic and coronary artery disease patients treated for 16 weeks with rosiglitazone, a PPARÎ³ agonist. Annals of Medicine, 2014, 46, 18-23.	3.8	21
154	Vertebral bone marrow glucose uptake is inversely associated with bone marrow fat in diabetic and healthy pigs: [18F]FDG-PET and MRI study. Bone, 2014, 61, 33-38.	2.9	21
155	Effects of meal and incretins in the regulation of splanchnic blood flow. Endocrine Connections, 2017, 6, 179-187.	1.9	21
156	Short-term interval training alters brain glucose metabolism in subjects with insulin resistance. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 1828-1838.	4.3	21
157	Biodistribution of the fatty acid analogue 18F-FTHA: plasma and tissue partitioning between lipid pools during fasting and hyperinsulinemia. Journal of Nuclear Medicine, 2007, 48, 455-62.	5.0	21
158	Circulating neurofilament is linked with morbid obesity, renal function, and brain density. Scientific Reports, 2022, 12, 7841.	3.3	21
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