

Pirjo Nuutila

List of Publications by Year in descending order

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242
papers

18,486
citations

17429

63
h-index

14736

127
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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. <i>Cell</i> , 2012, 150, 366-376.	13.5	2,740
2	Functional Brown Adipose Tissue in Healthy Adults. <i>New England Journal of Medicine</i> , 2009, 360, 1518-1525.	13.9	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. <i>JAMA - Journal of the American Medical Association</i> , 2018, 319, 241.	3.8	711
4	Different Metabolic Responses of Human Brown Adipose Tissue to Activation by Cold and Insulin. <i>Cell Metabolism</i> , 2011, 14, 272-279.	7.2	609
5	Evidence for two types of brown adipose tissue in humans. <i>Nature Medicine</i> , 2013, 19, 631-634.	15.2	563
6	Glucose-free fatty acid cycle operates in human heart and skeletal muscle in vivo.. <i>Journal of Clinical Investigation</i> , 1992, 89, 1767-1774.	3.9	261
7	Glucose Uptake and Perfusion in Subcutaneous and Visceral Adipose Tissue during Insulin Stimulation in Nonobese and Obese Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002, 87, 3902-3910.	1.8	259
8	Blunted metabolic responses to cold and insulin stimulation in brown adipose tissue of obese humans. <i>Obesity</i> , 2013, 21, 2279-2287.	1.5	217
9	Free Fatty Acid Depletion Acutely Decreases Cardiac Work and Efficiency in Cardiomyopathic Heart Failure. <i>Circulation</i> , 2006, 114, 2130-2137.	1.6	212
10	Gender and Insulin Sensitivity in the Heart and in Skeletal Muscles: Studies Using Positron Emission Tomography. <i>Diabetes</i> , 1995, 44, 31-36.	0.3	203
11	Dorsal Striatum and Its Limbic Connectivity Mediate Abnormal Anticipatory Reward Processing in Obesity. <i>PLoS ONE</i> , 2012, 7, e31089.	1.1	182
12	Obesity Is Associated with Decreased μ -Opioid But Unaltered Dopamine D ₂ Receptor Availability in the Brain. <i>Journal of Neuroscience</i> , 2015, 35, 3959-3965.	1.7	178
13	Secretin-Activated Brown Fat Mediates Prandial Thermogenesis to Induce Satiating. <i>Cell</i> , 2018, 175, 1561-1574.e12.	13.5	167
14	Increased Brain Fatty Acid Uptake in Metabolic Syndrome. <i>Diabetes</i> , 2010, 59, 2171-2177.	0.3	165
15	Exercise Training Modulates Gut Microbiota Profile and Improves Endotoxemia. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 94-104.	0.2	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. <i>Diabetes Care</i> , 2019, 42, 931-937.	4.3	147
17	Rosiglitazone but Not Metformin Enhances Insulin- and Exercise-Stimulated Skeletal Muscle Glucose Uptake in Patients With Newly Diagnosed Type 2 Diabetes. <i>Diabetes</i> , 2002, 51, 3479-3485.	0.3	146
18	Postprandial Oxidative Metabolism of Human Brown Fat Indicates Thermogenesis. <i>Cell Metabolism</i> , 2018, 28, 207-216.e3.	7.2	146

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19	Differential Effects of Rosiglitazone and Metformin on Adipose Tissue Distribution and Glucose Uptake in Type 2 Diabetic Subjects. <i>Diabetes</i> , 2003, 52, 283-290.	0.3	144
20	Fatty Acid Metabolism in the Liver, Measured by Positron Emission Tomography, Is Increased in Obese Individuals. <i>Gastroenterology</i> , 2010, 139, 846-856.e6.	0.6	144
21	Human brown adipose tissue [15O]O ₂ PET imaging in the presence and absence of cold stimulus. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 43, 1878-1886.	3.3	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.. <i>Journal of Clinical Investigation</i> , 1996, 97, 1741-1747.	3.9	141
23	TGF- β 2 is an exercise-induced adipokine that regulates glucose and fatty acid metabolism. <i>Nature Metabolism</i> , 2019, 1, 291-303.	5.1	128
24	Adult attachment style is associated with cerebral μ -opioid receptor availability in humans. <i>Human Brain Mapping</i> , 2015, 36, 3621-3628.	1.9	119
25	Insulin resistance characterizes glucose uptake in skeletal muscle but not in the heart in NIDDM. <i>Diabetologia</i> , 1998, 41, 555-559.	2.9	117
26	Insulin resistance of glucose uptake in skeletal muscle cannot be ameliorated by enhancing endothelium-dependent blood flow in obesity.. <i>Journal of Clinical Investigation</i> , 1998, 101, 1156-1162.	3.9	114
27	Enhanced oxygen extraction and reduced flow heterogeneity in exercising muscle in endurance-trained men. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2001, 280, E1015-E1021.	1.8	113
28	Nonalcoholic Fatty Liver Disease: Rapid Evaluation of Liver Fat Content with In-Phase and Out-of-Phase MR Imaging. <i>Radiology</i> , 2009, 250, 130-136.	3.6	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. <i>Arthritis and Rheumatism</i> , 2003, 48, 3077-3084.	6.7	107
30	Human brown adipose tissue is phenocopied by classical brown adipose tissue in physiologically humanized mice. <i>Nature Metabolism</i> , 2019, 1, 830-843.	5.1	103
31	Effect of Weight Loss on Liver Free Fatty Acid Uptake and Hepatic Insulin Resistance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009, 94, 50-55.	1.8	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. <i>JAMA Surgery</i> , 2022, 157, 656.	2.2	101
33	Human adipose tissue glucose uptake determined using [18 F]-fluoro-deoxy-glucose ([18 F]FDG) and PET in combination with microdialysis. <i>Diabetologia</i> , 2001, 44, 2171-2179.	2.9	99
34	Increased Fat Mass Compensates for Insulin Resistance in Abdominal Obesity and Type 2 Diabetes: A Positron-Emitting Tomography Study. <i>Diabetes</i> , 2005, 54, 2720-2726.	0.3	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. <i>JAMA Surgery</i> , 2021, 156, 137.	2.2	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. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 300, H1510-H1517.	1.5	95

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37	Hyperthyroidism Increases Brown Fat Metabolism in Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, E28-E35.	1.8	95
38	Effects of Insulin on Brain Glucose Metabolism in Impaired Glucose Tolerance. <i>Diabetes</i> , 2011, 60, 443-447.	0.3	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. <i>Diabetes</i> , 2005, 54, 2787-2794.	0.3	92
40	Insulin-stimulated glucose uptake in skeletal muscle, adipose tissue and liver: a positron emission tomography study. <i>European Journal of Endocrinology</i> , 2018, 178, 523-531.	1.9	92
41	Quantitative blood flow measurement of skeletal muscle using oxygen-15-water and PET. <i>Journal of Nuclear Medicine</i> , 1997, 38, 314-9.	2.8	92
42	Lumped constant for [¹⁸ F]fluorodeoxyglucose in skeletal muscles of obese and nonobese humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2000, 279, E1122-E1130.	1.8	89
43	BATLAS: Deconvoluting Brown Adipose Tissue. <i>Cell Reports</i> , 2018, 25, 784-797.e4.	2.9	89
44	Enhancement of insulin-stimulated myocardial glucose uptake in patients with Type 2 diabetes treated with rosiglitazone. <i>Diabetic Medicine</i> , 2004, 21, 1280-1287.	1.2	87
45	The Effects of Bariatric Surgery on Pancreatic Lipid Metabolism and Blood Flow. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 2015-2023.	1.8	86
46	Peroxisome Proliferator Activated Receptor Gamma Controls Mature Brown Adipocyte Inducibility through Glycerol Kinase. <i>Cell Reports</i> , 2018, 22, 760-773.	2.9	86
47	Effect of bariatric surgery on liver glucose metabolism in morbidly obese diabetic and non-diabetic patients. <i>Journal of Hepatology</i> , 2014, 60, 377-383.	1.8	85
48	Changes in bone metabolism after bariatric surgery by gastric bypass or sleeve gastrectomy. <i>Bone</i> , 2017, 95, 47-54.	1.4	83
49	Exercise training decreases pancreatic fat content and improves beta cell function regardless of baseline glucose tolerance: a randomised controlled trial. <i>Diabetologia</i> , 2018, 61, 1817-1828.	2.9	82
50	Adenosine/A2B Receptor Signaling Ameliorates the Effects of Aging and Counteracts Obesity. <i>Cell Metabolism</i> , 2020, 32, 56-70.e7.	7.2	77
51	Weight loss after bariatric surgery normalizes brain opioid receptors in morbid obesity. <i>Molecular Psychiatry</i> , 2016, 21, 1057-1062.	4.1	76
52	μ-opioid receptor system mediates reward processing in humans. <i>Nature Communications</i> , 2018, 9, 1500.	5.8	76
53	Skeletal muscle blood flow and flow heterogeneity during dynamic and isometric exercise in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003, 284, H979-H986.	1.5	75
54	Organ-Specific Physiological Responses to Acute Physical Exercise and Long-Term Training in Humans. <i>Physiology</i> , 2014, 29, 421-436.	1.6	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.	1.1	74
56	Kinetic modeling of [¹⁸ F]FDG in skeletal muscle by PET: a four-compartment five-rate-constant model. American Journal of Physiology - Endocrinology and Metabolism, 2001, 281, E524-E536.	1.8	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.	1.8	73
58	Insulin action on heart and skeletal muscle glucose uptake in essential hypertension.. Journal of Clinical Investigation, 1995, 96, 1003-1009.	3.9	72
59	Behavioural activation system sensitivity is associated with cerebral μ -opioid receptor availability. Social Cognitive and Affective Neuroscience, 2016, 11, 1310-1316.	1.5	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.	3.9	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.	2.9	65
62	¹⁸ F-FDG positron emission tomography/computed tomography in infective endocarditis. Journal of Nuclear Cardiology, 2017, 24, 195-206.	1.4	64
63	Feeding Releases Endogenous Opioids in Humans. Journal of Neuroscience, 2017, 37, 8284-8291.	1.7	64
64	Insulin stimulates liver glucose uptake in humans: an ¹⁸ F-FDG PET Study. Journal of Nuclear Medicine, 2003, 44, 682-9.	2.8	64
65	Evidence for Dissociation of Insulin Stimulation of Blood Flow and Glucose Uptake in Human Skeletal Muscle: Studies Using [¹⁵ O]H ₂ O, [¹⁸ F]fluoro-2-deoxy-D-glucose, and Positron Emission Tomography. Diabetes, 1996, 45, 1471-1477.	0.3	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.	1.3	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.	1.1	62
68	Quantification of Liver Glucose Metabolism by Positron Emission Tomography: Validation Study in Pigs. Gastroenterology, 2007, 132, 531-542.	0.6	61
69	Aberrant mesolimbic dopamine- μ -opioid interaction in obesity. NeuroImage, 2015, 122, 80-86.	2.1	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.	0.1	61
71	Interindividual variability and lateralization of μ -opioid receptors in the human brain. NeuroImage, 2020, 217, 116922.	2.1	60
72	Single Nucleotide Polymorphisms in the Peroxisome Proliferator-Activated Receptor α Gene Are Associated With Skeletal Muscle Glucose Uptake. Diabetes, 2005, 54, 3587-3591.	0.3	57

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73	Effect of antilipolysis on heart and skeletal muscle glucose uptake in overnight fasted humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1994, 267, E941-E946.	1.8	56
74	Effects of Metformin and Rosiglitazone Monotherapy on Insulin-Mediated Hepatic Glucose Uptake and Their Relation to Visceral Fat in Type 2 Diabetes. <i>Diabetes Care</i> , 2003, 26, 2069-2074.	4.3	56
75	Comparison of exogenous adenosine and voluntary exercise on human skeletal muscle perfusion and perfusion heterogeneity. <i>Journal of Applied Physiology</i> , 2010, 108, 378-386.	1.2	56
76	Brown Adipose Tissue in Humans. <i>Methods in Enzymology</i> , 2014, 537, 141-159.	0.4	56
77	Enhanced stimulation of glucose uptake by insulin increases exercise-stimulated glucose uptake in skeletal muscle in humans: studies using [15O]O ₂ , [15O]H ₂ O, [18F]fluoro-deoxy-glucose, and positron emission tomography. <i>Diabetes</i> , 2000, 49, 1084-1091.	0.3	55
78	Effects of weight loss on visceral and abdominal subcutaneous adipose tissue blood-flow and insulin-mediated glucose uptake in healthy obese subjects. <i>Annals of Medicine</i> , 2009, 41, 152-160.	1.5	55
79	⁶⁴ Cu- and ⁶⁸ Ga-Labelled [Nle ¹⁴ ,Lys ⁴⁰ (Ahx-NODAGA)NH ₂]-Exendin-4 for Pancreatic Beta Cell Imaging in Rats. <i>Molecular Imaging and Biology</i> , 2014, 16, 255-263.	1.3	55
80	Human Brown Fat Radiodensity Indicates Underlying Tissue Composition and Systemic Metabolic Health. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, 2258-2267.	1.8	55
81	Glucose Uptake and Perfusion in Subcutaneous and Visceral Adipose Tissue during Insulin Stimulation in Nonobese and Obese Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002, 87, 3902-3910.	1.8	55
82	Skeletal Muscle Glucose Uptake Response to Exercise in Trained and Untrained Men. <i>Medicine and Science in Sports and Exercise</i> , 2003, 35, 777-783.	0.2	54
83	miR-125b affects mitochondrial biogenesis and impairs brite adipocyte formation and function. <i>Molecular Metabolism</i> , 2016, 5, 615-625.	3.0	54
84	Inverse association between liver fat content and hepatic glucose uptake in patients with type 2 diabetes mellitus. <i>Metabolism: Clinical and Experimental</i> , 2008, 57, 1445-1451.	1.5	53
85	Weight Loss After Bariatric Surgery Reverses Insulin-Induced Increases in Brain Glucose Metabolism of the Morbidly Obese. <i>Diabetes</i> , 2013, 62, 2747-2751.	0.3	53
86	Dissociable Roles of Cerebral μ -Opioid and Type 2 Dopamine Receptors in Vicarious Pain: A Combined PET-fMRI Study. <i>Cerebral Cortex</i> , 2017, 27, 4257-4266.	1.6	51
87	Relationship between muscle blood flow and oxygen uptake during exercise in endurance-trained and untrained men. <i>Journal of Applied Physiology</i> , 2005, 98, 380-383.	1.2	50
88	Increased physical activity decreases hepatic free fatty acid uptake: a study in human monozygotic twins. <i>Journal of Physiology</i> , 2007, 578, 347-358.	1.3	50
89	Effect of Bariatric Surgery on Adipose Tissue Glucose Metabolism in Different Depots in Patients With or Without Type 2 Diabetes. <i>Diabetes Care</i> , 2016, 39, 292-299.	4.3	50
90	MR signal-fat-fraction analysis and T2* weighted imaging measure BAT reliably on humans without cold exposure. <i>Metabolism: Clinical and Experimental</i> , 2017, 70, 23-30.	1.5	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.	1.8	46
92	Decreased insulin-stimulated brown adipose tissue glucose uptake after short-term exercise training in healthy middle-aged men. Diabetes, Obesity and Metabolism, 2017, 19, 1379-1388.	2.2	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.	3.9	45
94	Higher Free Fatty Acid Uptake in Visceral Than in Abdominal Subcutaneous Fat Tissue in Men. Obesity, 2010, 18, 261-265.	1.5	44
95	Lowered endogenous mu-opioid receptor availability in subclinical depression and anxiety. Neuropsychopharmacology, 2020, 45, 1953-1959.	2.8	44
96	In vivo effects of insulin on tumor and skeletal muscle glucose metabolism in patients with lymphoma. Cancer, 1994, 73, 1490-1498.	2.0	43
97	Non-esterified fatty acids impair insulin-mediated glucose uptake and disposition in the liver. Diabetologia, 2004, 47, 1149-1156.	2.9	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.	0.3	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.	2.2	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.	2.2	43
101	Obesity-associated intestinal insulin resistance is ameliorated after bariatric surgery. Diabetologia, 2015, 58, 1055-1062.	2.9	42
102	Effects of 6-weeks of treatment with dapagliflozin, a sodium-glucose co-transporter-2 inhibitor, on myocardial function and metabolism in patients with type 2 diabetes: A randomized, placebo-controlled, exploratory study. Diabetes, Obesity and Metabolism, 2021, 23, 1505-1517.	2.2	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.	2.3	41
104	Accuracy of ¹⁸ F-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.	2.8	41
105	Secretin activates brown fat and induces satiation. Nature Metabolism, 2021, 3, 798-809.	5.1	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.	2.8	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.	0.3	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.	1.8	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. <i>Diabetologia</i> , 2013, 56, 893-900.	2.9	37
110	Measurement of brown adipose tissue mass using a novel dual-echo magnetic resonance imaging approach: A validation study. <i>Metabolism: Clinical and Experimental</i> , 2013, 62, 1189-1198.	1.5	37
111	Brown adipose tissue lipid metabolism in morbid obesity: Effect of bariatric surgery-induced weight loss. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 1280-1288.	2.2	37
112	A Partial Loss-of-Function Variant in <i>AKT2</i> Is Associated With Reduced Insulin-Mediated Glucose Uptake in Multiple Insulin-Sensitive Tissues: A Genotype-Based Callback Positron Emission Tomography Study. <i>Diabetes</i> , 2018, 67, 334-342.	0.3	37
113	Brain glucose uptake is associated with endogenous glucose production in obese patients before and after bariatric surgery and predicts metabolic outcome at follow-up. <i>Diabetes, Obesity and Metabolism</i> , 2019, 21, 218-226.	2.2	36
114	Functional imaging with 11C-metomidate PET for subtype diagnosis in primary aldosteronism. <i>European Journal of Endocrinology</i> , 2020, 183, 539-550.	1.9	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. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2002, 29, 1617-1622.	3.3	35
116	Insulin- and Exercise-Stimulated Skeletal Muscle Blood Flow and Glucose Uptake in Obese Men. <i>Obesity</i> , 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 β -tropomyosin gene: A positron emission tomography study. <i>Journal of Nuclear Cardiology</i> , 2007, 14, 354-365.	1.4	35
118	Basal and cold-induced fatty acid uptake of human brown adipose tissue is impaired in obesity. <i>Scientific Reports</i> , 2020, 10, 14373.	1.6	35
119	Ability of two new thyrotropin (TSH) assays to separate hyperthyroid patients from euthyroid patients with low TSH. <i>Clinical Chemistry</i> , 1994, 40, 101-105.	1.5	33
120	Pancreatic Metabolism, Blood Flow, and β -Cell Function in Obese Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, E981-E990.	1.8	33
121	¹⁸ F-FDG assessment of glucose disposal and production rates during fasting and insulin stimulation: a validation study. <i>Journal of Nuclear Medicine</i> , 2006, 47, 1016-22.	2.8	33
122	Relationship between limb and muscle blood flow in man.. <i>Journal of Physiology</i> , 1996, 496, 543-549.	1.3	32
123	The effects of acute hyperinsulinemia on bone metabolism. <i>Endocrine Connections</i> , 2015, 4, 155-162.	0.8	32
124	Cannabinoid Type 1 Receptors Are Upregulated During Acute Activation of Brown Adipose Tissue. <i>Diabetes</i> , 2018, 67, 1226-1236.	0.3	32
125	Opioidergic Regulation of Emotional Arousal: A Combined PET-fMRI Study. <i>Cerebral Cortex</i> , 2019, 29, 4006-4016.	1.6	32
126	Brain Glucose Metabolism in Health, Obesity, and Cognitive Decline—Does Insulin Have Anything to Do with It? A Narrative Review. <i>Journal of Clinical Medicine</i> , 2021, 10, 1532.	1.0	32

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127	The Effect of the Ala12Allele of the Peroxisome Proliferator-Activated Receptor- β Gene on Skeletal Muscle Glucose Uptake Depends on Obesity: A Positron Emission Tomography Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005, 90, 4249-4254.	1.8	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. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005, 90, 6523-6528.	1.8	31
129	Binge eating disorder and morbid obesity are associated with lowered mu-opioid receptor availability in the brain. <i>Psychiatry Research - Neuroimaging</i> , 2018, 276, 41-45.	0.9	31
130	Insulin Resistance Is Associated With Enhanced Brain Glucose Uptake During Euglycemic Hyperinsulinemia: A Large-Scale PET Cohort. <i>Diabetes Care</i> , 2021, 44, 788-794.	4.3	31
131	Use of positron emission tomography in the assessment of skeletal muscle and tendon metabolism and perfusion. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2000, 10, 346-350.	1.3	30
132	Resistance training improves skeletal muscle insulin sensitivity in elderly offspring of overweight and obese mothers. <i>Diabetologia</i> , 2016, 59, 77-86.	2.9	30
133	Estimation of blood flow heterogeneity distribution in human skeletal muscle from positron emission tomography data. <i>Annals of Biomedical Engineering</i> , 1997, 25, 906-910.	1.3	29
134	Sodium nitroprusside increases human skeletal muscle blood flow, but does not change flow distribution or glucose uptake. <i>Journal of Physiology</i> , 1999, 521, 729-737.	1.3	29
135	Myocardial perfusion reserve and oxidative metabolism contribute to exercise capacity in patients with dilated cardiomyopathy. <i>Journal of Cardiac Failure</i> , 2004, 10, 132-140.	0.7	29
136	Non-invasive estimation of hepatic blood perfusion from H2 15O PET images using tissue-derived arterial and portal input functions. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2008, 35, 1899-1911.	3.3	29
137	Muscle oxygen extraction and perfusion heterogeneity during continuous and intermittent static exercise. <i>Journal of Applied Physiology</i> , 2003, 94, 953-958.	1.2	28
138	In Vivo Measurements of Glucose Uptake in Human Achilles Tendon During Different Exercise Intensities. <i>International Journal of Sports Medicine</i> , 2005, 26, 727-731.	0.8	28
139	Human Bone Marrow Adipose Tissue is a Metabolically Active and Insulin-Sensitive Distinct Fat Depot. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, 2300-2310.	1.8	28
140	Type 2 diabetes enhances arterial uptake of choline in atherosclerotic mice: an imaging study with positron emission tomography tracer 18F-fluoromethylcholine. <i>Cardiovascular Diabetology</i> , 2016, 15, 26.	2.7	27
141	Brain free fatty acid uptake is elevated in morbid obesity, and is irreversible 6 months after bariatric surgery: A positron emission tomography study. <i>Diabetes, Obesity and Metabolism</i> , 2020, 22, 1074-1082.	2.2	27
142	Human obesity is characterized by defective fat storage and enhanced muscle fatty acid oxidation, and trimetazidine gradually counteracts these abnormalities. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011, 301, E105-E112.	1.8	26
143	Bone mineral density is increased after a 16-week resistance training intervention in elderly women with decreased muscle strength. <i>European Journal of Endocrinology</i> , 2016, 175, 571-582.	1.9	26
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