JÃ¼rgen Eckel

List of Publications by Year
in descending order

172 papers	12,003 citations	23567 58 h-index	29157 104 g-index
173 all docs	173 docs citations	173 times ranked	15722 citing authors

#	Article	IF	Citations
1	Dipeptidyl Peptidase 4 Is a Novel Adipokine Potentially Linking Obesity to the Metabolic Syndrome. Diabetes, 2011, 60, 1917-1925.	0.6	506
2	Adaptive immunity in obesity and insulin resistance. Nature Reviews Endocrinology, 2012, 8, 709-716.	9.6	405
3	Risk of diabetes-associated diseases in subgroups of patients with recent-onset diabetes: a 5-year follow-up study. Lancet Diabetes and Endocrinology,the, 2019, 7, 684-694.	11.4	364
4	DPP4 in diabetes. Frontiers in Immunology, 2015, 6, 386.	4.8	324
5	Chemerin Is a Novel Adipocyte-Derived Factor Inducing Insulin Resistance in Primary Human Skeletal Muscle Cells. Diabetes, 2009, 58, 2731-2740.	0.6	310
6	Sleep, sleep-disordered breathing and metabolic consequences. European Respiratory Journal, 2009, 34, 243-260.	6.7	293
7	Evidence against a Beneficial Effect of Irisin in Humans. PLoS ONE, 2013, 8, e73680.	2.5	261
8	Effects of tumour necrosis factor alpha (TNFÎ±) on glucose transport and lipid metabolism of newly-differentiated human fat cells in cell culture. Diabetologia, 1995, 38, 764-771.	6.3	260
9	Randomized comparison of reduced fat and reduced carbohydrate hypocaloric diets on intrahepatic fat in overweight and obese human subjects. Hepatology, 2011, 53, 1504-1514.	7.3	246
10	Chemerin Correlates with Markers for Fatty Liver in Morbidly Obese Patients and Strongly Decreases after Weight Loss Induced by Bariatric Surgery. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 2892-2896.	3.6	225
11	Adipo-Myokines: Two Sides of the Same Coinâ€"Mediators of Inflammation and Mediators of Exercise. Mediators of Inflammation, 2013, 2013, 1-16.	3.0	223
12	Adipose tissue and its role in organ crosstalk. Acta Physiologica, 2014, 210, 733-753.	3.8	214
13	Role of curcumin in health and disease. Archives of Physiology and Biochemistry, 2008, 114, 127-149.	2.1	206
14	Inflammation and metabolic dysfunction: links to cardiovascular diseases. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 302, H2148-H2165.	3.2	194
15	Monocyte Chemotactic Protein-1 Is a Potential Player in the Negative Cross-Talk between Adipose Tissue and Skeletal Muscle. Endocrinology, 2006, 147, 2458-2467.	2.8	193
16	The role of epicardial and perivascular adipose tissue in the pathophysiology of cardiovascular disease. Journal of Cellular and Molecular Medicine, 2010, 14, 2223-2234.	3.6	192
17	Secreted proteins from adipose tissue and skeletal muscle â€" adipokines, myokines and adipose/muscle cross-talk. Archives of Physiology and Biochemistry, 2011, 117, 47-56.	2.1	192
18	Adipose Dipeptidyl Peptidase-4 and Obesity. Diabetes Care, 2013, 36, 4083-4090.	8.6	188

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19	Identification and Validation of Novel Adipokines Released from Primary Human Adipocytes. Molecular and Cellular Proteomics, 2012, 11, M111.010504.	3.8	187
20	Myokines in insulin resistance and type 2 diabetes. Diabetologia, 2014, 57, 1087-1099.	6.3	183
21	Identification and Validation of Novel Contraction-Regulated Myokines Released from Primary Human Skeletal Muscle Cells. PLoS ONE, 2013, 8, e62008.	2.5	175
22	Adiponectin counteracts cytokine- and fatty acid-induced apoptosis in the pancreatic beta-cell line INS-1. Diabetologia, 2004, 47, 249-258.	6.3	171
23	Tumor necrosis factor-alpha acutely inhibits insulin signaling in human adipocytes: implication of the p80 tumor necrosis factor receptor. Diabetes, 1998, 47, 515-522.	0.6	159
24	Impairment of Insulin Signaling in Human Skeletal Muscle Cells by Co-Culture With Human Adipocytes. Diabetes, 2002, 51, 2369-2376.	0.6	156
25	Secretory Products From Epicardial Adipose Tissue of Patients With Type 2 Diabetes Mellitus Induce Cardiomyocyte Dysfunction. Circulation, 2012, 126, 2324-2334.	1.6	155
26	BMP4 and BMP7 induce the white-to-brown transition of primary human adipose stem cells. American Journal of Physiology - Cell Physiology, 2014, 306, C431-C440.	4.6	141
27	Secretome profiling of primary human skeletal muscle cells. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 1011-1017.	2.3	138
28	Autocrine Action of Adiponectin on Human Fat Cells Prevents the Release of Insulin Resistance-Inducing Factors. Diabetes, 2005, 54, 2003-2011.	0.6	137
29	Pigment epithelium-derived factor (PEDF) is one of the most abundant proteins secreted by human adipocytes and induces insulin resistance and inflammatory signaling in muscle and fat cells. International Journal of Obesity, 2011, 35, 762-772.	3.4	135
30	The myokine decorin is regulated by contraction and involved in muscle hypertrophy. Biochemical and Biophysical Research Communications, 2014, 450, 1089-1094.	2.1	133
31	Cannabinoid type 1 receptors in human skeletal muscle cells participate in the negative crosstalk between fat and muscle. Diabetologia, 2009, 52, 664-674.	6.3	132
32	Obesity-associated insulin resistance in skeletal muscle: Role of lipid accumulation and physical inactivity. Reviews in Endocrine and Metabolic Disorders, 2011, 12, 163-172.	5.7	129
33	Exercise and Regulation of Adipokine and Myokine Production. Progress in Molecular Biology and Translational Science, 2015, 135, 313-336.	1.7	118
34	Soluble DPP4 induces inflammation and proliferation of human smooth muscle cells via protease-activated receptor 2. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 1613-1621.	3.8	116
35	Contractile activity of human skeletal muscle cells prevents insulin resistance by inhibiting pro-inflammatory signalling pathways. Diabetologia, 2012, 55, 1128-1139.	6.3	115
36	The adipocyteâ€"myocyte axis in insulin resistance. Trends in Endocrinology and Metabolism, 2006, 17, 416-422.	7.1	109

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37	Shedding of dipeptidyl peptidase 4 is mediated by metalloproteases and upâ€regulated by hypoxia in human adipocytes and smooth muscle cells. FEBS Letters, 2014, 588, 3870-3877.	2.8	108
38	Adipose tissue in obesity and obstructive sleep apnoea. European Respiratory Journal, 2012, 39, 746-767.	6.7	103
39	Growth promoting and metabolic activity of the human insulin analogue [GlyA21,ArgB31,ArgB32]insulin (HOE 901) in muscle cells. European Journal of Pharmacology, 1997, 320, 259-265.	3.5	98
40	Browning of white fat: does irisin play a role in humans?. Journal of Endocrinology, 2014, 222, R25-R38.	2.6	97
41	Functional annotation of the human fat cell secretome. Archives of Physiology and Biochemistry, 2012, 118, 84-91.	2.1	96
42	Rab11 is associated with GLUT4-containing vesicles and redistributes in response to insulin. Diabetologia, 2000, 43, 1518-1527.	6.3	94
43	Regulation of follistatin-like protein 1 expression and secretion in primary human skeletal muscle cells. Archives of Physiology and Biochemistry, 2013, 119, 75-80.	2.1	88
44	Cardioprotective Properties of Omentin-1 in Type 2 Diabetes: Evidence from Clinical and In Vitro Studies. PLoS ONE, 2013, 8, e59697.	2.5	87
45	Monocyte chemotactic protein-1 and its role in insulin resistance. Current Opinion in Lipidology, 2007, 18, 258-262.	2.7	86
46	Secretory Type II Phospholipase A2 Is Produced and Secreted by Epicardial Adipose Tissue and Overexpressed in Patients with Coronary Artery Disease. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 963-967.	3.6	85
47	DPP4 and ACE2 in Diabetes and COVID-19: Therapeutic Targets for Cardiovascular Complications?. Frontiers in Pharmacology, 2020, 11, 1161.	3.5	80
48	Adipose tissue inflammation: novel insight into the role of macrophages and lymphocytes. Current Opinion in Clinical Nutrition and Metabolic Care, 2010, 13, 366-370.	2.5	78
49	Uptake of thyroid hormone by isolated rat liver cells. Biochemical and Biophysical Research Communications, 1976, 73, 98-104.	2.1	77
50	Acute and chronic effects of troglitazone (CS-045) on isolated rat ventricular cardiomyocytes. Diabetologia, 1996, 39, 766-774.	6.3	76
51	Electrical pulse stimulation of cultured skeletal muscle cells as a model for <i>inÂvitro</i> exercise â€" possibilities and limitations. Acta Physiologica, 2017, 220, 310-331.	3.8	76
52	Cytokine secretion by human adipocytes is differentially regulated by adiponectin, AICAR, and troglitazone. Biochemical and Biophysical Research Communications, 2006, 343, 700-706.	2.1	73
53	Synthesis and Mechanism of Hypoglycemic Activity of Benzothiazole Derivatives. Journal of Medicinal Chemistry, 2013, 56, 5335-5350.	6.4	70
54	Calreticulin Destabilizes Glucose Transporter-1 mRNA in Vascular Endothelial and Smooth Muscle Cells Under High-Glucose Conditions. Circulation Research, 2005, 97, 1001-1008.	4.5	69

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55	The Natural Protective Mechanism Against Hyperglycemia in Vascular Endothelial Cells. Diabetes, 2010, 59, 808-818.	0.6	67
56	Myokines in metabolic homeostasis and diabetes. Diabetologia, 2019, 62, 1523-1528.	6.3	63
57	Heat Shock Protein 60 as a Mediator of Adipose Tissue Inflammation and Insulin Resistance. Diabetes, 2012, 61, 615-625.	0.6	62
58	Combinatorial hexapeptide ligand libraries (ProteoMiner^{â„¢}): An innovative fractionation tool for differential quantitative clinical proteomics. Archives of Physiology and Biochemistry, 2009, 115, 155-160.	2.1	60
59	Characterization of human glucose transporter (GLUT) 11 (encoded by SLC2A11), a novel sugar-transport facilitator specifically expressed in heart and skeletal muscle. Biochemical Journal, 2001, 359, 443.	3.7	59
60	Development of insulin-responsive glucose uptake and GLUT4 expression in differentiating human adipocyte precursor cells. International Journal of Obesity, 1998, 22, 448-453.	3.4	58
61	A Novel Insulin Analog With Unique Properties: LysB3,GluB29 Insulin Induces Prominent Activation of Insulin Receptor Substrate 2, but Marginal Phosphorylation of Insulin Receptor Substrate 1. Diabetes, 2003, 52, 2227-2238.	0.6	58
62	Contraction-induced translocation of the glucose transporter Glut4 in isolated ventricular cardiomyocytes. Biochemical and Biophysical Research Communications, 1992, 189, 1207-1214.	2.1	57
63	Eicosapentaenoic acid and arachidonic acid differentially regulate adipogenesis, acquisition of a brite phenotype and mitochondrial function in primary human adipocytes. Molecular Nutrition and Food Research, 2016, 60, 2065-2075.	3.3	56
64	IGF-1 receptor signalling determines the mitogenic potency of insulin analogues in human smooth muscle cells and fibroblasts. Diabetologia, 2007, 50, 2534-2543.	6.3	55
65	Skeletal muscle insulin resistance induced by adipocyte-conditioned medium: underlying mechanisms and reversibility. American Journal of Physiology - Endocrinology and Metabolism, 2008, 294, E1070-E1077.	3.5	55
66	Functional role of Rab11 in GLUT4 trafficking in cardiomyocytes. Molecular and Cellular Endocrinology, 2005, 235, 1-9.	3.2	54
67	Oleic acid and adipokines synergize in inducing proliferation and inflammatory signalling in human vascular smooth muscle cells. Journal of Cellular and Molecular Medicine, 2011, 15, 1177-1188.	3.6	54
68	Chemotactic cytokines, obesity and type 2 diabetes:in vivoandin vitroevidence for a possible causal correlation?. Proceedings of the Nutrition Society, 2009, 68, 378-384.	1.0	53
69	Secretory products of guinea pig epicardial fat induce insulin resistance and impair primary adult rat cardiomyocyte function. Journal of Cellular and Molecular Medicine, 2011, 15, 2399-2410.	3.6	53
70	Anti-apoptotic Action of Exendin-4 in INS-1 Beta Cells: Comparative Protein Pattern Analysis of Isolated Mitochondria. Hormone and Metabolic Research, 2009, 41, 294-301.	1.5	52
71	Chitinase-3-like protein 1 protects skeletal muscle from TNFÎ±-induced inflammation and insulin resistance. Biochemical Journal, 2014, 459, 479-488.	3.7	51
72	Insulin-Mediated Phosphorylation of the Proline-Rich Akt Substrate PRAS40 Is Impaired in Insulin Target Tissues of High-Fat Diet-Fed Rats. Diabetes, 2006, 55, 3221-3228.	0.6	50

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73	Pathways leading to muscle insulin resistance â€“ The muscle â€“ fat connection. Archives of Physiology and Biochemistry, 2006, 112, 105-113.	2.1	49
74	Delayed autoregulation of glucose transport in vascular endothelial cells. Diabetologia, 2005, 48, 752-755.	6.3	48
75	Signalling pathways of an insulin-mimetic phosphoinositolglycanâ€“peptide in muscle and adipose tissue. Biochemical Journal, 1998, 330, 277-286.	3.7	47
76	Diabetes-induced decrease in the mRNA coding for sarcoplasmic reticulum Ca2+-ATPase in adult rat cardiomyocytes. Biochemical and Biophysical Research Communications, 1991, 178, 906-912.	2.1	45
77	[LysB3, GluB29] insulin: a novel insulin analog with enhanced Î²-cell protective action. Biochemical and Biophysical Research Communications, 2003, 310, 852-859.	2.1	45
78	Adipokine Protein Expression Pattern in Growth Hormone Deficiency Predisposes to the Increased Fat Cell Size and the Whole Body Metabolic Derangements. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 2255-2262.	3.6	44
79	VEGF in the Crosstalk between Human Adipocytes and Smooth Muscle Cells: Depot-Specific Release from Visceral and Perivascular Adipose Tissue. Mediators of Inflammation, 2013, 2013, 1-10.	3.0	43
80	Protein Array Reveals Differentially Expressed Proteins in Subcutaneous Adipose Tissue in Obesity. Obesity, 2007, 15, 2396-2406.	3.0	42
81	â€œBrowningâ€•of adipose tissue â€“ regulation and therapeutic perspectives. Archives of Physiology and Biochemistry, 2013, 119, 151-160.	2.1	42
82	Hypoxia in Combination With Muscle Contraction Improves Insulin Action and Glucose Metabolism in Human Skeletal Muscle via the HIF-1Î± Pathway. Diabetes, 2017, 66, 2800-2807.	0.6	42
83	Inhibitor ÎºB kinase is involved in the paracrine crosstalk between human fat and muscle cells. International Journal of Obesity, 2004, 28, 985-992.	3.4	41
84	Resistin reduces mitochondria and induces hepatic steatosis in mice by the protein kinase C/protein kinase G/p65/PPAR gamma coactivator 1 alpha pathway. Hepatology, 2013, 57, 1384-1393.	7.3	41
85	Insulin Resistance in the Heart: Studies on Isolated Cardiocytes of Genetically Obese Zucker Rats*. Endocrinology, 1985, 116, 1529-1534.	2.8	40
86	Soluble dipeptidyl peptidase-4 induces microvascular endothelial dysfunction through proteinase-activated receptor-2 and thromboxane A2 release. Journal of Hypertension, 2016, 34, 869-876.	0.5	40
87	Enhanced Protection against Cytokine- and Fatty Acid-induced Apoptosis in Pancreatic Beta Cells by Combined Treatment with Glucagon-like Peptide-1 Receptor Agonists and Insulin Analogues. Hormone and Metabolic Research, 2008, 40, 172-180.	1.5	39
88	Hypoxia reduces the response of human adipocytes towards TNFÎ± resulting in reduced NF-ÎºB signaling and MCP-1 secretion. International Journal of Obesity, 2012, 36, 986-992.	3.4	39
89	Insulin action on glucose transport in isolated cardiac myocytes: signalling pathways and diabetes-induced alterations. Biochemical Society Transactions, 1990, 18, 1125-1127.	3.4	38
90	Chemerin as biomarker for insulin sensitivity in males without typical characteristics of metabolic syndrome. Archives of Physiology and Biochemistry, 2012, 118, 135-138.	2.1	38

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91	Regulation of retinol binding protein 4 production in primary human adipocytes by adiponectin, troglitazone and TNF-Î±. Diabetologia, 2007, 50, 2221-2223.	6.3	35
92	The exercise-regulated myokine chitinase-3-like protein 1 stimulates human myocyte proliferation. Acta Physiologica, 2016, 216, 330-345.	3.8	35
93	Leptin and Tumor Necrosis Factor-Î± Induce the Tyrosine Phosphorylation of Signal Transducer and Activator of Transcription Proteins in the Hypothalamus of Normal Rats<i>In Vivo</i>¹. Endocrinology, 2001, 142, 3027-3032.	2.8	33
94	Qualitative characteristics of HDL in young patients of an acute myocardial infarction. Atherosclerosis, 2012, 220, 257-264.	0.8	33
95	Adipokines and inflammatory markers in elderly subjects with high risk of type 2 diabetes and cardiovascular disease. Scientific Reports, 2018, 8, 12816.	3.3	33
96	Diversification of cardiac insulin signaling involves the p85Î±/Î² subunits of phosphatidylinositol 3-kinase. American Journal of Physiology - Endocrinology and Metabolism, 2001, 280, E65-E74.	3.5	32
97	Reduced DPP4 activity improves insulin signaling in primary human adipocytes. Biochemical and Biophysical Research Communications, 2016, 471, 348-354.	2.1	32
98	The fatty acid translocase (FAT)/CD36 and the glucose transporter GLUT4 are localized in different cellular compartments in rat cardiac muscle. Biochemical and Biophysical Research Communications, 2002, 293, 665-669.	2.1	31
99	Role of lipid-derived mediators in skeletal muscle insulin resistance. American Journal of Physiology - Endocrinology and Metabolism, 2009, 297, E1004-E1012.	3.5	31
100	Differentiation of human adipocytes at physiological oxygen levels results in increased adiponectin secretion and isoproterenol-stimulated lipolysis. Adipocyte, 2012, 1, 132-181.	2.8	31
101	Monocyte chemoattractant protein-induced protein 1 impairs adipogenesis in 3T3-L1 cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 780-788.	4.1	31
102	Adipose Tissue Dysfunction and Inflammation in Cardiovascular Disease. Frontiers of Hormone Research, 2014, 43, 79-92.	1.0	31
103	Induction of Insulin Resistance in Primary Cultured Adult Cardiac Myocytes*. Endocrinology, 1991, 129, 345-352.	2.8	30
104	Conditioned medium obtained from in vitro differentiated adipocytes and resistin induce insulin resistance in human hepatocytes. FEBS Letters, 2007, 581, 4303-4308.	2.8	30
105	Nutritional Ingredients Modulate Adipokine Secretion and Inflammation in Human Primary Adipocytes. Nutrients, 2015, 7, 865-886.	4.1	30
106	Molecular Mechanisms of Contraction-Induced Translocation of GLUT4 in Isolated Cardiomyocytes. American Journal of Cardiology, 1997, 80, 85A-89A.	1.6	29
107	In Vitro Phosphorylation of Insulin Receptor Substrate 1 by Protein Kinase C-Î¶:â€‰ Functional Analysis and Identification of Novel Phosphorylation Sites. Biochemistry, 2004, 43, 5888-5901.	2.5	29
108	Combined Gene and Protein Expression of Hormone-Sensitive Lipase and Adipose Triglyceride Lipase, Mitochondrial Content, and Adipocyte Size in Subcutaneous and Visceral Adipose Tissue of Morbidly Obese Men. Obesity Facts, 2011, 4, 407-416.	3.4	29

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109	Novel Mediators of Adipose Tissue and Muscle Crosstalk. Current Obesity Reports, 2015, 4, 411-417.	8.4	29
110	Stimulation of Cardiac Glucose Transport by Thioctic Acid and Insulin. Hormone and Metabolic Research, 1999, 31, 632-635.	1.5	28
111	<scp>^{LAPS}Insulin115</scp>: A novel ultraâ€longâ€acting basal insulin with a unique action profile. Diabetes, Obesity and Metabolism, 2017, 19, 1722-1731.	4.4	27
112	Insulin Receptor Substrate-4 Is Expressed in Muscle Tissue without Acting as a Substrate for the Insulin Receptor. Endocrinology, 2003, 144, 1211-1218.	2.8	26
113	Prevention of diabetes complications in developing countries: time to intensify self-management education. Archives of Physiology and Biochemistry, 2011, 117, 251-253.	2.1	25
114	Adipocyte-derived factors impair insulin signaling in differentiated human vascular smooth muscle cells via the upregulation of miR-143. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 275-283.	3.8	25
115	DPP4 deletion in adipose tissue improves hepatic insulin sensitivity in diet-induced obesity. American Journal of Physiology - Endocrinology and Metabolism, 2020, 318, E590-E599.	3.5	25
116	Heat Shock Protein 60 in Obesity: Effect of Bariatric Surgery and its Relation to Inflammation and Cardiovascular Risk. Obesity, 2017, 25, 2108-2114.	3.0	24
117	Organ Crosstalk and the Modulation of Insulin Signaling. Cells, 2021, 10, 2082.	4.1	24
118	Molecular mechanisms of contraction-regulated cardiac glucose transport. Biochemical Journal, 2000, 346, 841-847.	3.7	23
119	FIP2 and Rip11 specify Rab11a-mediated cellular distribution of GLUT4 and FAT/CD36 in H9c2-hIR cells. Biochemical and Biophysical Research Communications, 2007, 363, 119-125.	2.1	23
120	Regulation of subcellular distribution of GLUT4 in cardiomyocytes: Rab4A reduces basal glucose transport and augments insulin responsiveness. Experimental and Clinical Endocrinology and Diabetes, 2012, 108, 26-36.	1.2	23
121	Eicosanoids participate in the regulation of cardiac glucose transport by contribution to a rearrangement of actin cytoskeletal elements. Biochemical Journal, 2001, 359, 47-54.	3.7	22
122	Deletion of CD73 promotes dyslipidemia and intramyocellular lipid accumulation in muscle of mice. Archives of Physiology and Biochemistry, 2013, 119, 39-51.	2.1	22
123	Novel aspects of adipocyte-induced skeletal muscle insulin resistance. Archives of Physiology and Biochemistry, 2008, 114, 287-298.	2.1	21
124	The adipokine zinc-<i>Î±</i>2-glycoprotein activates AMP kinase in human primary skeletal muscle cells. Archives of Physiology and Biochemistry, 2011, 117, 88-93.	2.1	21
125	Sex Steroid-Induced Changes in Circulating Monocyte Chemoattractant Protein-1 Levels May Contribute to Metabolic Dysfunction in Obese Men. Journal of Clinical Endocrinology and Metabolism, 2012, 97, E1187-E1191.	3.6	20
126	Differential impact of oleate, palmitate, and adipokines on expression of NF-ÎºB target genes in human vascular smooth muscle cells. Molecular and Cellular Endocrinology, 2012, 362, 194-201.	3.2	20

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127	Insulin action on cardiac glucose transport: studies on the role of protein kinase C. Biochimica Et Biophysica Acta - Molecular Cell Research, 1995, 1265, 73-78.	4.1	19
128	Epicardial Fat from Guinea Pig: A Model to Study the Paracrine Network of Interactions between Epicardial Fat and Myocardium?. Cardiovascular Drugs and Therapy, 2008, 22, 107-114.	2.6	19
129	ProteoMiner^{â„¢}and SELDI-TOF-MS: A robust and highly reproducible combination for biomarker discovery from whole blood serum. Archives of Physiology and Biochemistry, 2010, 116, 174-180.	2.1	17
130	A novel method to monitor insulin-stimulated GTP-loading of Rab11a in cardiomyocytes. Cellular Signalling, 2007, 19, 825-830.	3.6	16
131	Insulin analogues: Action profiles beyond glycaemic control. Archives of Physiology and Biochemistry, 2008, 114, 45-53.	2.1	14
132	Identification of novel putative adipomyokines by a cross-species annotation of secretomes and expression profiles. Archives of Physiology and Biochemistry, 2015, 121, 194-205.	2.1	14
133	Hypothalamic expression of neuropeptide-Y in the New Zealand obese mouse. International Journal of Obesity, 1998, 22, 1172-1177.	3.4	13
134	Eicosanoids participate in the regulation of cardiac glucose transport by contribution to a rearrangement of actin cytoskeletal elements. Biochemical Journal, 2001, 359, 47.	3.7	12
135	Early acarbose treatment ameliorates resistance of insulin-regulated GLUT4 trafficking in obese Zucker rats. European Journal of Pharmacology, 2002, 445, 141-148.	3.5	12
136	The E23K variant in the Kir6.2 subunit of the ATP-sensitive K+ channel does not augment impaired glucose tolerance in Caribbean subjects with a family history of type 2 diabetes. Journal of Endocrinology, 2005, 185, 439-444.	2.6	12
137	Adipokines enhance oleic acid-induced proliferation of vascular smooth muscle cells by inducing CD36 expression. Archives of Physiology and Biochemistry, 2015, 121, 81-87.	2.1	12
138	Photoaffinity labelling of cardiac membrane GTP-binding proteins in response to insulin. FEBS Journal, 1994, 219, 325-330.	0.2	11
139	Insulin-dependent translocation of the small GTP-binding protein rab3C in cardiac muscle: studies on insulin-resistant Zucker rats. FEBS Letters, 1995, 377, 109-112.	2.8	11
140	Effects of tamoxifen on human squamous cell carcinoma lines of the head and neck. Anti-Cancer Drugs, 2002, 13, 521-531.	1.4	10
141	Differential phosphorylation of IRS-1 and IRS-2 by insulin and IGF-I receptors. Archives of Physiology and Biochemistry, 2006, 112, 37-47.	2.1	10
142	Protease-Activated Receptor 2 Promotes Pro-Atherogenic Effects through Transactivation of the VEGF Receptor 2 in Human Vascular Smooth Muscle Cells. Frontiers in Pharmacology, 2016, 7, 497.	3.5	10
143	Eicosanoids and the Regulation of Cardiac Glucose Transport. Annals of the New York Academy of Sciences, 2002, 967, 208-216.	3.8	9
144	Adipokines promote lipotoxicity in human skeletal muscle cells. Archives of Physiology and Biochemistry, 2012, 118, 92-101.	2.1	9

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145	Enhancing mass spectrometry based serum profiling by a combination of free flow electrophoresis and ClinProt^{â„¢}. Archives of Physiology and Biochemistry, 2009, 115, 259-266.	2.1	8
146	Adipose Tissue. , 2018, , 9-63.		8
147	Effect of the long-acting insulin analogues glargine and degludec on cardiomyocyte cell signalling and function. Cardiovascular Diabetology, 2016, 15, 96.	6.8	6
148	Regulation of cardiac insulin receptor function by guanosine nucleotides. FEBS Letters, 1992, 314, 72-76.	2.8	5
149	Molecular mechanisms of contraction-regulated cardiac glucose transport. Biochemical Journal, 2000, 346, 841.	3.7	5
150	NDUFB6 Polymorphism Is Associated With Physical Activity-Mediated Metabolic Changes in Type 2 Diabetes. Frontiers in Endocrinology, 2021, 12, 693683.	3.5	5
151	Regulation of cardiac insulin receptor function by guanosine nucleotides. FEBS Letters, 1993, 317, E1-E5.	2.8	4
152	Identification and characterization of a novel variant in the highly conserved catalytic center of Rab11a. European Journal of Medical Genetics, 2006, 49, 29-36.	1.3	4
153	Measurement of Insulin Sensitivity in Skeletal Muscle In Vitro. , 2012, 933, 255-263.		4
154	Targeting phosphoprotein profiling by combination of hydroxyapatite-based phosphoprotein enrichment and SELDI-TOF MS. Archives of Physiology and Biochemistry, 2010, 116, 181-187.	2.1	3
155	Comment on Wu and Spiegelman. Irisin ERKs the Fat. Diabetes 2014;63:381âˆ’383. Diabetes, 2014, 63, e16-e16.	0.6	3
156	Skeletal Muscle. , 2018, , 65-90.		3
157	Intestinal microbiota and host metabolism â€" A complex relationship. Acta Physiologica, 2021, 232, e13638.	3.8	3
158	Insulin-induced phosphorylation of a 38 kDa DNA-binding protein in ventricular cardiomyocytes: possible implication of nuclear protein phosphatase activity. Molecular and Cellular Endocrinology, 1996, 120, 107-114.	3.2	2
159	Editorial. Archives of Physiology and Biochemistry, 2011, 117, 45-46.	2.1	2
160	The insulin receptor of adult heart muscle cells. , 1984, 80 Suppl 1, 61-64.		2
161	Positive allosteric Î³â€aminobutyric acid type A receptor modulation prevents lipotoxicityâ€induced injury in hepatocytes <i>in vitro</i>. Diabetes, Obesity and Metabolism, 2022, 24, 1498-1508.	4.4	2
162	Development of impaired glucose tolerance and diabetes in follow-up offspring of Caribbean patients with type 2 diabetes: Analysis of 5-year follow-up study. Archives of Physiology and Biochemistry, 2006, 112, 158-165.	2.1	1

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163	Expanded adipose tissue: â€˜out of breathâ€™ and inflamed. British Journal of Nutrition, 2008, 100, 236-237.	2.3	1
164	COST Action BM0602: A European network to combat obesity and the metabolic syndrome. Archives of Physiology and Biochemistry, 2012, 118, 83-83.	2.1	1
165	Integrinsâ€"Mediators of cellular adhesion or more?. Acta Physiologica, 2020, 229, e13482.	3.8	1
166	1067-P: Development of Novel Modulators of the GABAA Receptor for Diabetes Therapy. Diabetes, 2020, 69, .	0.6	1
167	Insulin Glulisine. Drugs, 2006, 66, 870-872.	10.9	0
168	Advanced knowledge on long-known diseasesâ€"Proceedings of the 4th Eli Lilly International Foundation Workshop. Archives of Physiology and Biochemistry, 2007, 113, 97-97.	2.1	0
169	PS3 - 14. The effect of the exercise-induced muscle secretome on liver gene expression. Nederlands Tijdschrift Voor Diabetologie, 2012, 10, 108-109.	0.0	0
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