Allan Vaag

List of Publications by Year
in descending order

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157 papers	14,430 citations	34016 52 h-index	20307 116 g-index
159 all docs	159 docs citations	159 times ranked	20574 citing authors

#	Article	IF	Citations
1	From The Cover: Epigenetic differences arise during the lifetime of monozygotic twins. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 10604-10609.	3.3	3,169
2	Interleukin-1â€“Receptor Antagonist in Type 2 Diabetes Mellitus. New England Journal of Medicine, 2007, 356, 1517-1526.	13.9	1,579
3	Diabetes Patients Requiring Glucose-Lowering Therapy and Nondiabetics With a Prior Myocardial Infarction Carry the Same Cardiovascular Risk. Circulation, 2008, 117, 1945-1954.	1.6	480
4	TXNIP Regulates Peripheral Glucose Metabolism in Humans. PLoS Medicine, 2007, 4, e158.	3.9	435
5	Genetic variant near IRS1 is associated with type 2 diabetes, insulin resistance and hyperinsulinemia. Nature Genetics, 2009, 41, 1110-1115.	9.4	418
6	Mortality and cardiovascular risk associated with different insulin secretagogues compared with metformin in type 2 diabetes, with or without a previous myocardial infarction: a nationwide study. European Heart Journal, 2011, 32, 1900-1908.	1.0	367
7	Sustained Effects of Interleukin-1 Receptor Antagonist Treatment in Type 2 Diabetes. Diabetes Care, 2009, 32, 1663-1668.	4.3	347
8	Altered DNA Methylation and Differential Expression of Genes Influencing Metabolism and Inflammation in Adipose Tissue From Subjects With Type 2 Diabetes. Diabetes, 2014, 63, 2962-2976.	0.3	326
9	New loci associated with birth weight identify genetic links between intrauterine growth and adult height and metabolism. Nature Genetics, 2013, 45, 76-82.	9.4	293
10	Multiple environmental and genetic factors influence skeletal muscle PGC-1Î± and PGC-1Î² gene expression in twins. Journal of Clinical Investigation, 2004, 114, 1518-1526.	3.9	251
11	Impact of age, BMI and HbA1c levels on the genome-wide DNA methylation and mRNA expression patterns in human adipose tissue and identification of epigenetic biomarkers in blood. Human Molecular Genetics, 2015, 24, 3792-813.	1.4	223
12	Impact of shortâ€term highâ€fat feeding on glucose and insulin metabolism in young healthy men. Journal of Physiology, 2009, 587, 2387-2397.	1.3	214
13	Blood-based biomarkers of age-associated epigenetic changes in human islets associate with insulin secretion and diabetes. Nature Communications, 2016, 7, 11089.	5.8	201
14	The Epigenetic Basis of Twin Discordance in Age-Related Diseases. Pediatric Research, 2007, 61, 38R-42R.	1.1	183
15	Deoxyribonucleic Acid Methylation and Gene Expression of PPARGC1A in Human Muscle Is Influenced by High-Fat Overfeeding in a Birth-Weight-Dependent Manner. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 3048-3056.	1.8	172
16	Genome-Wide Analysis of DNA Methylation Differences in Muscle and Fat from Monozygotic Twins Discordant for Type 2 Diabetes. PLoS ONE, 2012, 7, e51302.	1.1	171
17	Genetic and epigenetic factors are associated with expression of respiratory chain component NDUFB6 in human skeletal muscle. Journal of Clinical Investigation, 2007, 117, 3427-3435.	3.9	168
18	DNA methylation of loci within ABCG1 and PHOSPHO1 in blood DNA is associated with future type 2 diabetes risk. Epigenetics, 2016, 11, 482-488.	1.3	152

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19	Heritability of Insulin Secretion, Peripheral and Hepatic Insulin Action, and Intracellular Glucose Partitioning in Young and Old Danish Twins. Diabetes, 2005, 54, 275-283.	0.3	145
20	Physical Activity and Sedentary Behaviors Associated With Risk of Progression From Gestational Diabetes Mellitus to Type 2 Diabetes Mellitus. JAMA Internal Medicine, 2014, 174, 1047.	2.6	130
21	G-allele of Intronic rs10830963 in MTNR1B Confers Increased Risk of Impaired Fasting Glycemia and Type 2 Diabetes Through an Impaired Glucose-Stimulated Insulin Release. Diabetes, 2009, 58, 1450-1456.	0.3	125
22	Impact of Birth Weight and Early Infant Weight Gain on Insulin Resistance and Associated Cardiovascular Risk Factors in Adolescence. PLoS ONE, 2011, 6, e20595.	1.1	123
23	Prepregnancy low-carbohydrate dietary pattern and risk of gestational diabetes mellitus: a prospective cohort study. American Journal of Clinical Nutrition, 2014, 99, 1378-1384.	2.2	109
24	Dnmt3a is an epigenetic mediator of adipose insulin resistance. ELife, 2017, 6, .	2.8	97
25	Regulation and Function of FTO mRNA Expression in Human Skeletal Muscle and Subcutaneous Adipose Tissue. Diabetes, 2009, 58, 2402-2408.	0.3	94
26	Gene Expression in Skeletal Muscle Biopsies from People with Type 2 Diabetes and Relatives: Differential Regulation of Insulin Signaling Pathways. PLoS ONE, 2009, 4, e6575.	1.1	92
27	Adiposity, Dysmetabolic Traits, and Earlier Onset of Female Puberty in Adolescent Offspring of Women With Gestational Diabetes Mellitus: A Clinical Study Within the Danish National Birth Cohort. Diabetes Care, 2017, 40, 1746-1755.	4.3	90
28	A Genome-Wide mQTL Analysis in Human Adipose Tissue Identifies Genetic Variants Associated with DNA Methylation, Gene Expression and Metabolic Traits. PLoS ONE, 2016, 11, e0157776.	1.1	88
29	Impact of 9 Days of Bed Rest on Hepatic and Peripheral Insulin Action, Insulin Secretion, and Whole-Body Lipolysis in Healthy Young Male Offspring of Patients With Type 2 Diabetes. Diabetes, 2009, 58, 2749-2756.	0.3	83
30	Pleiotropic Effects of GIP on Islet Function Involve Osteopontin. Diabetes, 2011, 60, 2424-2433.	0.3	83
31	Altered Fat Tissue Distribution in Young Adult Men Who Had Low Birth Weight. Diabetes Care, 2005, 28, 151-153.	4.3	81
32	A Common Variant in TFB1M Is Associated with Reduced Insulin Secretion and Increased Future Risk of Type 2 Diabetes. Cell Metabolism, 2011, 13, 80-91.	7.2	81
33	CTSH regulates Î²-cell function and disease progression in newly diagnosed type 1 diabetes patients. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10305-10310.	3.3	81
34	MECHANISMS IN ENDOCRINOLOGY: SGLT2 inhibitors: clinical benefits by restoration of normal diurnal metabolism?. European Journal of Endocrinology, 2018, 178, R113-R125.	1.9	79
35	Genetic variants of gestational diabetes mellitus: a study of 112 SNPs among 8722 women in two independent populations. Diabetologia, 2018, 61, 1758-1768.	2.9	77
36	Epigenome-Wide Association Study of Incident Type 2 Diabetes in a British Population: EPIC-Norfolk Study. Diabetes, 2019, 68, 2315-2326.	0.3	77

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37	Altered PI3-Kinase/Akt Signalling in Skeletal Muscle of Young Men with Low Birth Weight. PLoS ONE, 2008, 3, e3738.	1.1	76
38	Mitochondrial Function in Skeletal Muscle Is Normal and Unrelated to Insulin Action in Young Men Born with Low Birth Weight. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 3885-3892.	1.8	75
39	Increased Risk of Type 2 Diabetes in Elderly Twins. Diabetes, 2009, 58, 1350-1355.	0.3	75
40	Link Between GIP and Osteopontin in Adipose Tissue and Insulin Resistance. Diabetes, 2013, 62, 2088-2094.	0.3	75
41	Growth and obesity through the first 7 y of life in association with levels of maternal glycemia during pregnancy: a prospective cohort study. American Journal of Clinical Nutrition, 2016, 103, 794-800.	2.2	74
42	Sulfonylurea versus metformin monotherapy in patients with type 2 diabetes: a Cochrane systematic review and meta-analysis of randomized clinical trials and trial sequential analysis. CMAJ Open, 2014, 2, E162-E175.	1.1	73
43	Effect of Short-Term Hyperglycemia on Multifocal Electroretinogram in Diabetic Patients without Retinopathy. , 2004, 45, 3812.		71
44	Dietary intervention increases n-3 long-chain polyunsaturated fatty acids in skeletal muscle membrane phospholipids of obese subjects. Implications for insulin sensitivity. Clinical Endocrinology, 2006, 64, 169-178.	1.2	67
45	Young men with low birthweight exhibit decreased plasticity of genome-wide muscle DNA methylation by high-fat overfeeding. Diabetologia, 2014, 57, 1154-1158.	2.9	67
46	The Intrauterine Environment as Reflected by Birth Size and Twin and Zygosity Status Influences Insulin Action and Intracellular Glucose Metabolism in an Age- or Time-Dependent Manner. Diabetes, 2006, 55, 1819-1825.	0.3	65
47	PPARGC1A DNA methylation in subcutaneous adipose tissue in low birth weight subjects â€" impact of 5days of high-fat overfeeding. Metabolism: Clinical and Experimental, 2014, 63, 263-271.	1.5	65
48	Adipose tissue transcriptomics and epigenomics in low birthweight men and controls: role of high-fat overfeeding. Diabetologia, 2016, 59, 799-812.	2.9	64
49	Non-obese patients with type 2 diabetes and prediabetic subjects:Âdistinct phenotypes requiring special diabetes treatment and (or) prevention?. Applied Physiology, Nutrition and Metabolism, 2007, 32, 912-920.	0.9	63
50	THERAPY OF ENDOCRINE DISEASE: Insulin initiation in patients with type 2 diabetes mellitus: treatment guidelines, clinical evidence and patterns of use of basal vs premixed insulin analogues. European Journal of Endocrinology, 2012, 166, 159-170.	1.9	60
51	The Multifocal ERG in Diabetic Patients without Retinopathy during Euglycemic Clamping. , 2005, 46, 2620.		59
52	Retinol-Binding Protein 4 in Twins. Diabetes, 2009, 58, 54-60.	0.3	58
53	Impact ofTCF7L2rs7903146 on Insulin Secretion and Action in Young and Elderly Danish Twins. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 4013-4019.	1.8	56
54	Glucose tolerance is associated with differential expression of microRNAs in skeletal muscle: results from studies of twins with and without type 2 diabetes. Diabetologia, 2015, 58, 363-373.	2.9	53

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55	Effects of high-fat overfeeding on mitochondrial function, glucose and fat metabolism, and adipokine levels in low-birth-weight subjects. American Journal of Physiology - Endocrinology and Metabolism, 2012, 302, E43-E51.	1.8	52
56	Abnormal epigenetic changes during differentiation of human skeletal muscle stem cells from obese subjects. BMC Medicine, 2017, 15, 39.	2.3	51
57	Does zygosity influence the metabolic profile of twins? A population based cross sectional study. BMJ: British Medical Journal, 1999, 319, 151-154.	2.4	49
58	Comparison of a soluble co-formulation of insulin degludec/insulin aspart vs biphasic insulin aspart 30 in type 2 diabetes: a randomised trial. European Journal of Endocrinology, 2012, 167, 287-294.	1.9	49
59	Differential adipokine DNA methylation and gene expression in subcutaneous adipose tissue from adult offspring of women with diabetes in pregnancy. Clinical Epigenetics, 2017, 9, 37.	1.8	49
60	Genetic, nongenetic and epigenetic risk determinants in developmental programming of type 2 diabetes. Acta Obstetricia Et Gynecologica Scandinavica, 2014, 93, 1099-1108.	1.3	48
61	Sulphonylurea monotherapy for patients with type 2 diabetes mellitus. , 2013, , CD009008.		46
62	Twins in metabolic and diabetes research: what do they tell us?. Current Opinion in Clinical Nutrition and Metabolic Care, 2007, 10, 591-596.	1.3	45
63	TheFOXO3Ars2802292 G-Allele Associates with Improved Peripheral and Hepatic Insulin Sensitivity and Increased Skeletal Muscle-FOXO3AmRNA Expression in Twins. Journal of Clinical Endocrinology and Metabolism, 2011, 96, E119-E124.	1.8	45
64	Born with low birth weight in rural Southern India: what are the metabolic consequences 20 years later?. European Journal of Endocrinology, 2012, 166, 647-655.	1.9	45
65	Sulfonylurea in combination with insulin is associated with increased mortality compared with a combination of insulin and metformin in a retrospective Danish nationwide study. Diabetologia, 2015, 58, 50-58.	2.9	44
66	Impact of short-term high-fat feeding and insulin-stimulated FGF21 levels in subjects with low birth weight and controls. European Journal of Endocrinology, 2012, 167, 49-57.	1.9	43
67	Impaired Leptin Gene Expression and Release in Cultured Preadipocytes Isolated From Individuals Born With Low Birth Weight. Diabetes, 2014, 63, 111-121.	0.3	43
68	N1-methylnicotinamide is a signalling molecule produced in skeletal muscle coordinating energy metabolism. Scientific Reports, 2018, 8, 3016.	1.6	42
69	Impact of Physical Inactivity on Adipose Tissue Low-Grade Inflammation in First-Degree Relatives of Type 2 Diabetic Patients. Diabetes Care, 2011, 34, 2265-2272.	4.3	41
70	Glucose-Dependent Insulinotropic Polypeptide Stimulates Osteopontin Expression in the Vasculature via Endothelin-1 and CREB. Diabetes, 2016, 65, 239-254.	0.3	41
71	Increased expression of microRNA-15a and microRNA-15b in skeletal muscle from adult offspring of women with diabetes in pregnancy. Human Molecular Genetics, 2018, 27, 1763-1771.	1.4	41
72	Low birth weight and early weight gain in the metabolic syndrome: Consequences for infant nutrition. International Journal of Gynecology and Obstetrics, 2009, 104, S32-4.	1.0	39

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73	Impaired cerebral blood flow and oxygenation during exercise in type 2 diabetic patients. Physiological Reports, 2015, 3, e12430.	0.7	38
74	Danish Centre for Strategic Research in Type 2 Diabetes (DD2) project cohort of newly diagnosed patients with type 2 diabetes: a cohort profile. BMJ Open, 2018, 8, e017273.	0.8	38
75	Impaired Insulin-Stimulated Expression of the Glycogen Synthase Gene in Skeletal Muscle of Type 2 Diabetic Patients Is Acquired Rather Than Inherited1. Journal of Clinical Endocrinology and Metabolism, 2000, 85, 1584-1590.	1.8	37
76	Association of heart failure severity with risk of diabetes: a Danish nationwide cohort study. Diabetologia, 2014, 57, 1595-1600.	2.9	37
77	Epigenetic programming of adipose-derived stem cells in low birthweight individuals. Diabetologia, 2016, 59, 2664-2673.	2.9	36
78	Effect of birth weight and 12 weeks of exercise training on exercise-induced AMPK signaling in human skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2013, 304, E1379-E1390.	1.8	35
79	DNA methylation and gene expression of HIF3A: cross-tissue validation and associations with BMI and insulin resistance. Clinical Epigenetics, 2016, 8, 89.	1.8	35
80	Rates of Community-based Antibiotic Prescriptions and Hospital-treated Infections in Individuals With and Without Type 2 Diabetes: A Danish Nationwide Cohort Study, 2004â€“2012. Clinical Infectious Diseases, 2016, 63, 501-511.	2.9	35
81	The T-Allele of TCF7L2 rs7903146 Associates With a Reduced Compensation of Insulin Secretion for Insulin Resistance Induced by 9 Days of Bed Rest. Diabetes, 2010, 59, 836-843.	0.3	34
82	Epigenetic markers associated with metformin response and intolerance in drug-naÃ¯ve patients with type 2 diabetes. Science Translational Medicine, 2020, 12, .	5.8	34
83	Gestational Diabetes Mellitus and Renal Function: A Prospective Study With 9- to 16-Year Follow-up After Pregnancy. Diabetes Care, 2018, 41, 1378-1384.	4.3	31
84	Genetic and Nongenetic Regulation of CAPN10 mRNA Expression in Skeletal Muscle. Diabetes, 2005, 54, 3015-3020.	0.3	30
85	Genetic and metabolic effects on skeletal muscle AMPK in young and older twins. American Journal of Physiology - Endocrinology and Metabolism, 2009, 297, E956-E964.	1.8	30
86	Metformin versus placebo in combination with insulin analogues in patients with type 2 diabetes mellitusâ€”the randomised, blinded Copenhagen Insulin and Metformin Therapy (CIMT) trial. BMJ Open, 2016, 6, e008376.	0.8	30
87	Genetic and environmental influences on oxidative damage assessed in elderly Danish twins. Free Radical Biology and Medicine, 2011, 50, 1488-1491.	1.3	29
88	Does DNA Methylation of PPARGC1A Influence Insulin Action in First Degree Relatives of Patients with Type 2 Diabetes?. PLoS ONE, 2013, 8, e58384.	1.1	29
89	Diabetes & Womenâ€™s Health (DWH) Study: an observational study of long-term health consequences of gestational diabetes, their determinants and underlying mechanisms in the USA and Denmark. BMJ Open, 2019, 9, e025517.	0.8	29
90	Molecular correlates for maximal oxygen uptake and type 1 fibers. American Journal of Physiology - Endocrinology and Metabolism, 2008, 294, E1152-E1159.	1.8	28

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91	Increased Recovery Rates of Phosphocreatine and Inorganic Phosphate after Isometric Contraction in Oxidative Muscle Fibers and Elevated Hepatic Insulin Resistance in Homozygous Carriers of the A-allele ofFTOrs9939609. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 596-602.	1.8	28
92	The PNPLA3 rs738409 G-Allele Associates with Reduced Fasting Serum Triglyceride and Serum Cholesterol in Danes with Impaired Glucose Regulation. PLoS ONE, 2012, 7, e40376.	1.1	28
93	Telomere length is reduced in 9- to 16-year-old girls exposed to gestational diabetes in utero. Diabetologia, 2018, 61, 870-880.	2.9	28
94	Lifestyle Intervention in Pregnant Women With Obesity Impacts Cord Blood DNA Methylation, Which Associates With Body Composition in the Offspring. Diabetes, 2021, 70, 854-866.	0.3	28
95	Impact of Genetic Versus Environmental Factors on the Control of Muscle Glycogen Synthase Activation in Twins. Diabetes, 2005, 54, 1289-1296.	0.3	27
96	Dysregulation of a novel miR-23b/27b-p53 axis impairs muscle stem cell differentiation of humans with type 2 diabetes. Molecular Metabolism, 2017, 6, 770-779.	3.0	27
97	Age-Dependent Nongenetic Influences of Birth Weight and Adult Body Fat on Insulin Sensitivity in Twins. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 2394-2399.	1.8	26
98	Impact of Physical Inactivity on Subcutaneous Adipose Tissue Metabolism in Healthy Young Male Offspring of Patients With Type 2 Diabetes. Diabetes, 2010, 59, 2790-2798.	0.3	26
99	Treating allergic rhinitis with depot-steroid injections increase risk of osteoporosis and diabetes. Respiratory Medicine, 2013, 107, 1852-1858.	1.3	26
100	Genetic Variation in ATP5O Is Associated with Skeletal Muscle ATP50 mRNA Expression and Glucose Uptake in Young Twins. PLoS ONE, 2009, 4, e4793.	1.1	26
101	Human adipogenesis is associated with genome-wide DNA methylation and gene-expression changes. Epigenomics, 2016, 8, 1601-1617.	1.0	25
102	Carotid intima-media thickness is reduced 12months after gastric bypass surgery in obese patients with type 2 diabetes or impaired glucose tolerance. Journal of Diabetes and Its Complications, 2014, 28, 517-522.	1.2	23
103	Physical inactivity affects skeletal muscle insulin signaling in a birth weight-dependent manner. Journal of Diabetes and Its Complications, 2014, 28, 71-78.	1.2	23
104	Carboxylesterase 1 Gene Duplication and mRNA Expression in Adipose Tissue Are Linked to Obesity and Metabolic Function. PLoS ONE, 2013, 8, e56861.	1.1	23
105	Differential Nongenetic Impact of Birth Weight Versus Third-Trimester Growth Velocity on Glucose Metabolism and Magnetic Resonance Imaging Abdominal Obesity in Young Healthy Twins. Journal of Clinical Endocrinology and Metabolism, 2011, 96, 2835-2843.	1.8	22
106	Pathophysiology of non-insulin-dependent diabetes mellitus (NIDDM). Diabetes Research and Clinical Practice, 1995, 28, S13-S25.	1.1	21
107	Genetic versus Non-Genetic Regulation of miR-103, miR-143 and miR-483-3p Expression in Adipose Tissue and Their Metabolic Implicationsâ€"A Twin Study. Genes, 2014, 5, 508-517.	1.0	21
108	Targeting intensive versus conventional glycaemic control for type 1 diabetes mellitus: a systematic review with meta-analyses and trial sequential analyses of randomised clinical trials. BMJ Open, 2014, 4, e004806-e004806.	0.8	21

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109	Desaturation of Skeletal Muscle Structural and Depot Lipids in Obese Individuals during a Veryâ€Łowâ€Calorie Diet Intervention. Obesity, 2007, 15, 117-117.	1.5	20
110	Fetal Hyperglycemia Changes Human Preadipocyte Function in Adult Life. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 1141-1150.	1.8	20
111	ADAMTS9 Regulates Skeletal Muscle Insulin Sensitivity Through Extracellular Matrix Alterations. Diabetes, 2019, 68, 502-514.	0.3	20
112	VPS39-deficiency observed in type 2 diabetes impairs muscle stem cell differentiation via altered autophagy and epigenetics. Nature Communications, 2021, 12, 2431.	5.8	20
113	DNA methylation and gene expression of TXNIP in adult offspring of women with diabetes in pregnancy. PLoS ONE, 2017, 12, e0187038.	1.1	19
114	Skeletal muscle lipotoxicity in insulin resistance and type 2 diabetes. Journal of Physiology, 2009, 587, 3977-3978.	1.3	18
115	Akt2 influences glycogen synthase activity in human skeletal muscle through regulation of NH₂-terminal (sites 2 + 2a) phosphorylation. American Journal of Physiology - Endocrinology and Metabolism, 2013, 304, E631-E639.	1.8	17
116	Type 2 diabetes classification: a data-driven cluster study of the Danish Centre for Strategic Research in Type 2 Diabetes (DD2) cohort. BMJ Open Diabetes Research and Care, 2022, 10, e002731.	1.2	17
117	The expression of myosin heavy chain (MHC) genes in human skeletal muscle is related to metabolic characteristics involved in the pathogenesis of type 2 diabetes. Molecular Genetics and Metabolism, 2011, 103, 275-281.	0.5	16
118	Metformin in combination with various insulin secretagogues in type 2 diabetes and associated risk of cardiovascular morbidity and mortalityâ€"A retrospective nationwide study. Diabetes Research and Clinical Practice, 2015, 107, 104-112.	1.1	15
119	Novel Subgroups of Type 2 Diabetes Display Different Epigenetic Patterns That Associate With Future Diabetic Complications. Diabetes Care, 2022, 45, 1621-1630.	4.3	15
120	Glucose and Insulin Metabolism in Twins: Influence of Zygosity and Birth Weight. Twin Research and Human Genetics, 2001, 4, 350-355.	1.5	14
121	Increased lipolysis but diminished gene expression of lipases in subcutaneous adipose tissue of healthy young males with intrauterine growth retardation. Journal of Applied Physiology, 2011, 111, 1863-1870.	1.2	14
122	Muscle inflammatory signaling in response to 9 days of physical inactivity in young men with low compared with normal birth weight. European Journal of Endocrinology, 2012, 167, 829-838.	1.9	14
123	Functional Variant Disrupts Insulin Induction of USF1. Circulation: Cardiovascular Genetics, 2009, 2, 522-529.	5.1	13
124	The Triglyceride Content in Skeletal Muscle Is Associated with Hepatic But Not Peripheral Insulin Resistance in Elderly Twins. Journal of Clinical Endocrinology and Metabolism, 2012, 97, 4571-4577.	1.8	13
125	Regulation of skeletal muscle PPARÎ´ mRNA expression in twins. Journal of Physiology, 2007, 584, 1011-1017.	1.3	12
126	Association of parental history of type 2 diabetes with age, lifestyle, anthropometric factors, and clinical severity at type 2 diabetes diagnosis: results from the DD2 study. Diabetes/Metabolism Research and Reviews, 2016, 32, 308-315.	1.7	12

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127	Low Birth Weight and Zygosity Status Is Associated With Defective Muscle Glycogen and Glycogen Synthase Regulation in Elderly Twins. Diabetes, 2007, 56, 2710-2714.	0.3	11
128	IL-1 receptor antagonism andÂmuscle gene expression inÂpatients withÂtype 2 diabetes. European Cytokine Network, 2009, 20, 81-87.	1.1	11
129	Dissociation between Skeletal Muscle Inhibitor-Î¹B Kinase/Nuclear Factor-Î¹B Pathway Activity and Insulin Sensitivity in Nondiabetic Twins. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 414-421.	1.8	11
130	Effects of biphasic, basal-bolus or basal insulin analogue treatments on carotid intima-media thickness in patients with type 2 diabetes mellitus: the randomised Copenhagen Insulin and Metformin Therapy (CIMT) trial. BMJ Open, 2016, 6, e008377.	0.8	11
131	Fasting unmasks differential fat and muscle transcriptional regulation of metabolic gene sets in low versus normal birth weight men. EBioMedicine, 2019, 47, 341-351.	2.7	11
132	Prospective study of gestational diabetes and fatty liver scores 9 to 16â€‰years after pregnancy. Journal of Diabetes, 2019, 11, 895-905.	0.8	11
133	Skeletal muscle structural lipids improve during weight-maintenance after a very low calorie dietary intervention. Lipids in Health and Disease, 2009, 8, 34.	1.2	10
134	Pre- and Early-Postnatal Nutrition Modify Gene and Protein Expressions of Muscle Energy Metabolism Markers and Phospholipid Fatty Acid Composition in a Muscle Type Specific Manner in Sheep. PLoS ONE, 2013, 8, e65452.	1.1	10
135	Ponderal index at birth associates with later risk of gestational diabetes mellitus. Archives of Gynecology and Obstetrics, 2017, 296, 249-256.	0.8	10
136	Escitalopram Ameliorates Hypercortisolemia and Insulin Resistance in Low Birth Weight Men With Limbic Brain Alterations. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 115-124.	1.8	10
137	Metabolic and Transcriptional Changes in Cultured Muscle Stem Cells from Low Birth Weight Subjects. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 2254-2264.	1.8	9
138	Disproportionately increased 24-h energy expenditure and fat oxidation in young men with low birth weight during a high-fat overfeeding challenge. European Journal of Nutrition, 2016, 55, 2045-2052.	1.8	8
139	Endocrine and metabolic diurnal rhythms in young adult men born small vs appropriate for gestational age. European Journal of Endocrinology, 2016, 175, 29-40.	1.9	7
140	In utero exposure to extra vitamin D from food fortification and the risk of subsequent development of gestational diabetes: the D-tect study. Nutrition Journal, 2018, 17, 100.	1.5	7
141	Associations between ambient air pollution and noise from road traffic with blood pressure and insulin resistance in children from Denmark. Environmental Epidemiology, 2019, 3, e069.	1.4	7
142	Epigenome- and Transcriptome-wide Changes in Muscle Stem Cells from Low Birth Weight Men. Endocrine Research, 2020, 45, 58-71.	0.6	7
143	Do very small adipocytes in subcutaneous adipose tissue (aÂproposed risk factor for insulin) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.0	6
144	Relationship between insulin sensitivity and gene expression in human skeletal muscle. BMC Endocrine Disorders, 2021, 21, 32.	0.9	6

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145	Glucose and Insulin Metabolism in Twins: Influence of Zygosity and Birth Weight. Twin Research and Human Genetics, 2001, 4, 350-355.	1.5	5
146	Impact of rs361072 in the Phosphoinositide 3-Kinase p110Î² Gene on Whole-Body Glucose Metabolism and Subunit Protein Expression in Skeletal Muscle. Diabetes, 2010, 59, 1108-1112.	0.3	5
147	Differential DNA Methylation and Expression of miRNAs in Adipose Tissue From Twin Pairs Discordant for Type 2 Diabetes. Diabetes, 2021, 70, 2402-2418.	0.3	5
148	Perspectives on diabetes mortality as the result of residual confounding and reverse causality by common disease. Diabetes, Obesity and Metabolism, 2018, 20, 1342-1349.	2.2	4
149	Young, low-birth-weight men are not more susceptible to the diabetogenic effects of a prolonged free fatty acid exposure than matched controls. Metabolism: Clinical and Experimental, 2005, 54, 1398-1406.	1.5	3
150	Retinolâ€Binding Protein 4 in Young Men With Low Versus Normal Birth Weight: Physiological Response to Shortâ€Term Overfeeding. Obesity, 2011, 19, 1304-1306.	1.5	3
151	Early glycaemic changes after initiation of oral antidiabetic medication and risk of major adverse cardiovascular events: results from a large primary care population of patients with type 2 diabetes. European Heart Journal - Cardiovascular Pharmacotherapy, 2021, 7, 486-495.	1.4	3
152	Nut Consumption and Renal Function Among Women With a History of Gestational Diabetes. , 2020, 30, 415-422.		3
153	Complement factors C4 and C3 are down regulated in response to short term overfeeding in healthy young men. Scientific Reports, 2017, 7, 1235.	1.6	2
154	Abdominal fat distribution measured by ultrasound and aerobic fitness in young Danish men born with low and normal birth weight. Obesity Research and Clinical Practice, 2019, 13, 529-532.	0.8	2
155	Serum Proteome Pool Changes in Type 2 Diabetic Patients Treated with Anakinra. Clinical Proteomics, 2010, 6, 153-161.	1.1	1
156	Neuronal Dysfunction Is Linked to the Famine-Associated Risk of Proliferative Retinopathy in Patients With Type 2 Diabetes. Frontiers in Neuroscience, 2022, 16, .	1.4	1
157	Low Birth Weight in the Pathophysiology of Type 2 Diabetes: A Focus on Metabolic and Epigenetic Aspects. , 2012, , 343-364.		0