

Charlotte Ling

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

146
papers

12,790
citations

56
h-index

111
g-index

158
ext. papers

14,809
ext. citations

6.6
avg, IF

6.29
L-index

#	Paper	IF	Citations
146	Epigenetic differences arise during the lifetime of monozygotic twins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 10604-9	11.5	2645
145	Mechanisms by which common variants in the TCF7L2 gene increase risk of type 2 diabetes. <i>Journal of Clinical Investigation</i> , 2007 , 117, 2155-63	15.9	574
144	Epigenetics: a molecular link between environmental factors and type 2 diabetes. <i>Diabetes</i> , 2009 , 58, 2718-25	0.9	439
143	A six months exercise intervention influences the genome-wide DNA methylation pattern in human adipose tissue. <i>PLoS Genetics</i> , 2013 , 9, e1003572	6	407
142	Epigenetic regulation of PPARGC1A in human type 2 diabetic islets and effect on insulin secretion. <i>Diabetologia</i> , 2008 , 51, 615-22	10.3	362
141	Genome-wide DNA methylation analysis of human pancreatic islets from type 2 diabetic and non-diabetic donors identifies candidate genes that influence insulin secretion. <i>PLoS Genetics</i> , 2014 , 10, e1004160	6	316
140	β-cell failure in type 2 diabetes: postulated mechanisms and prospects for prevention and treatment. <i>Diabetes Care</i> , 2014 , 37, 1751-8	14.6	288
139	Maternal diet and aging alter the epigenetic control of a promoter-enhancer interaction at the Hnf4a gene in rat pancreatic islets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 5449-54	11.5	277
138	Impact of an exercise intervention on DNA methylation in skeletal muscle from first-degree relatives of patients with type 2 diabetes. <i>Diabetes</i> , 2012 , 61, 3322-32	0.9	274
137	Altered DNA methylation and differential expression of genes influencing metabolism and inflammation in adipose tissue from subjects with type 2 diabetes. <i>Diabetes</i> , 2014 , 63, 2962-76	0.9	271
136	Epigenetics in Human Obesity and Type 2 Diabetes. <i>Cell Metabolism</i> , 2019 , 29, 1028-1044	24.6	244
135	Multiple environmental and genetic factors influence skeletal muscle PGC-1alpha and PGC-1beta gene expression in twins. <i>Journal of Clinical Investigation</i> , 2004 , 114, 1518-26	15.9	219
134	Increased DNA methylation and decreased expression of PDX-1 in pancreatic islets from patients with type 2 diabetes. <i>Molecular Endocrinology</i> , 2012 , 26, 1203-12		209
133	Insulin promoter DNA methylation correlates negatively with insulin gene expression and positively with HbA(1c) levels in human pancreatic islets. <i>Diabetologia</i> , 2011 , 54, 360-7	10.3	179
132	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. <i>Human Molecular Genetics</i> , 2015 , 24, 3792-813	5.6	168
131	Deoxyribonucleic acid methylation and gene expression of PPARGC1A in human muscle is influenced by high-fat overfeeding in a birth-weight-dependent manner. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, 3048-56	5.6	156
130	Effects of short-term high-fat overfeeding on genome-wide DNA methylation in the skeletal muscle of healthy young men. <i>Diabetologia</i> , 2012 , 55, 3341-9	10.3	154

129	Prolactin and growth hormone regulate adiponectin secretion and receptor expression in adipose tissue. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 331, 1120-6	3.4	146
128	Genetic and epigenetic factors are associated with expression of respiratory chain component NDUFB6 in human skeletal muscle. <i>Journal of Clinical Investigation</i> , 2007 , 117, 3427-35	15.9	146
127	Blood-based biomarkers of age-associated epigenetic changes in human islets associate with insulin secretion and diabetes. <i>Nature Communications</i> , 2016 , 7, 11089	17.4	145
126	Age influences DNA methylation and gene expression of COX7A1 in human skeletal muscle. <i>Diabetologia</i> , 2008 , 51, 1159-68	10.3	144
125	Identification of CpG-SNPs associated with type 2 diabetes and differential DNA methylation in human pancreatic islets. <i>Diabetologia</i> , 2013 , 56, 1036-46	10.3	143
124	Sex differences in the genome-wide DNA methylation pattern and impact on gene expression, microRNA levels and insulin secretion in human pancreatic islets. <i>Genome Biology</i> , 2014 , 15, 522	18.3	130
123	A central role for GRB10 in regulation of islet function in man. <i>PLoS Genetics</i> , 2014 , 10, e1004235	6	124
122	β-cell failure in type 2 diabetes: postulated mechanisms and prospects for prevention and treatment. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014 , 99, 1983-92	5.6	119
121	Genome-wide associations between genetic and epigenetic variation influence mRNA expression and insulin secretion in human pancreatic islets. <i>PLoS Genetics</i> , 2014 , 10, e1004735	6	118
120	Epigenetic Alterations in Human Liver From Subjects With Type 2 Diabetes in Parallel With Reduced Folate Levels. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015 , 100, E1491-501	5.6	109
119	Identification of functional prolactin (PRL) receptor gene expression: PRL inhibits lipoprotein lipase activity in human white adipose tissue. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003 , 88, 1804-8	5.6	105
118	DNA methylation in the pathogenesis of type 2 diabetes in humans. <i>Molecular Metabolism</i> , 2018 , 14, 12-25	8.8	104
117	DNA methylation of loci within ABCG1 and PHOSPHO1 in blood DNA is associated with future type 2 diabetes risk. <i>Epigenetics</i> , 2016 , 11, 482-8	5.7	99
116	Whole-Genome Bisulfite Sequencing of Human Pancreatic Islets Reveals Novel Differentially Methylated Regions in Type 2 Diabetes Pathogenesis. <i>Diabetes</i> , 2017 , 66, 1074-1085	0.9	96
115	Effects of palmitate on genome-wide mRNA expression and DNA methylation patterns in human pancreatic islets. <i>BMC Medicine</i> , 2014 , 12, 103	11.4	96
114	Impact of polyunsaturated and saturated fat overfeeding on the DNA-methylation pattern in human adipose tissue: a randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2017 , 105, 991-1000	7	95
113	Investigation of type 2 diabetes risk alleles support CDKN2A/B, CDKAL1, and TCF7L2 as susceptibility genes in a Han Chinese cohort. <i>PLoS ONE</i> , 2010 , 5, e9153	3.7	94
112	Mitochondrial dysfunction in pancreatic beta-cells in Type 2 diabetes. <i>Molecular and Cellular Endocrinology</i> , 2009 , 297, 34-40	4.4	92

111	A common variant in MTNR1B, encoding melatonin receptor 1B, is associated with type 2 diabetes and fasting plasma glucose in Han Chinese individuals. <i>Diabetologia</i> , 2009 , 52, 830-3	10.3	91
110	Genome-wide analysis of DNA methylation in subjects with type 1 diabetes identifies epigenetic modifications associated with proliferative diabetic retinopathy. <i>BMC Medicine</i> , 2015 , 13, 182	11.4	86
109	Reduced insulin secretion correlates with decreased expression of exocytotic genes in pancreatic islets from patients with type 2 diabetes. <i>Molecular and Cellular Endocrinology</i> , 2012 , 364, 36-45	4.4	86
108	Regulation and function of FTO mRNA expression in human skeletal muscle and subcutaneous adipose tissue. <i>Diabetes</i> , 2009 , 58, 2402-8	0.9	85
107	Tight coupling between glucose and mitochondrial metabolism in clonal beta-cells is required for robust insulin secretion. <i>Journal of Biological Chemistry</i> , 2009 , 284, 32395-404	5.4	84
106	Helsinki alert of biodiversity and health. <i>Annals of Medicine</i> , 2015 , 47, 218-25	1.5	79
105	Prolactin (PRL) receptor gene expression in mouse adipose tissue: increases during lactation and in PRL-transgenic mice. <i>Endocrinology</i> , 2000 , 141, 3564-72	4.8	77
104	Epigenetic adaptation to regular exercise in humans. <i>Drug Discovery Today</i> , 2014 , 19, 1015-8	8.8	73
103	NIH working group report-using genomic information to guide weight management: From universal to precision treatment. <i>Obesity</i> , 2016 , 24, 14-22	8	70
102	DNA methylation as a diagnostic and therapeutic target in the battle against Type 2 diabetes. <i>Epigenomics</i> , 2015 , 7, 451-60	4.4	69
101	Regulation of core clock genes in human islets. <i>Metabolism: Clinical and Experimental</i> , 2012 , 61, 978-85	12.7	69
100	DNA methylation of the glucagon-like peptide 1 receptor (GLP1R) in human pancreatic islets. <i>BMC Medical Genetics</i> , 2013 , 14, 76	2.1	69
99	A common variant in TFB1M is associated with reduced insulin secretion and increased future risk of type 2 diabetes. <i>Cell Metabolism</i> , 2011 , 13, 80-91	24.6	64
98	The fat cell epigenetic signature in post-obese women is characterized by global hypomethylation and differential DNA methylation of adipogenesis genes. <i>International Journal of Obesity</i> , 2015 , 39, 910-5	5.5	63
97	Young men with low birthweight exhibit decreased plasticity of genome-wide muscle DNA methylation by high-fat overfeeding. <i>Diabetologia</i> , 2014 , 57, 1154-8	10.3	62
96	Dnmt3a is an epigenetic mediator of adipose insulin resistance. <i>ELife</i> , 2017 , 6,	8.9	61
95	A Genome-Wide mQTL Analysis in Human Adipose Tissue Identifies Genetic Variants Associated with DNA Methylation, Gene Expression and Metabolic Traits. <i>PLoS ONE</i> , 2016 , 11, e0157776	3.7	61
94	Nesfatin-1 stimulates glucagon and insulin secretion and beta cell NUCB2 is reduced in human type 2 diabetic subjects. <i>Cell and Tissue Research</i> , 2011 , 346, 393-405	4.2	60

93	Genome-wide DNA promoter methylation and transcriptome analysis in human adipose tissue unravels novel candidate genes for obesity. <i>Molecular Metabolism</i> , 2017 , 6, 86-100	8.8	59
92	Epigenetic and Transcriptional Alterations in Human Adipose Tissue of Polycystic Ovary Syndrome. <i>Scientific Reports</i> , 2016 , 6, 22883	4.9	58
91	Gestational diabetes and maternal obesity are associated with epigenome-wide methylation changes in children. <i>JCI Insight</i> , 2018 , 3,	9.9	57
90	Short-term exercise training does not stimulate skeletal muscle ATP synthesis in relatives of humans with type 2 diabetes. <i>Diabetes</i> , 2009 , 58, 1333-41	0.9	56
89	Decreased expression of genes involved in oxidative phosphorylation in human pancreatic islets from patients with type 2 diabetes. <i>European Journal of Endocrinology</i> , 2011 , 165, 589-95	6.5	54
88	Adipose tissue transcriptomics and epigenomics in low birthweight men and controls: role of high-fat overfeeding. <i>Diabetologia</i> , 2016 , 59, 799-812	10.3	51
87	HDAC7 is overexpressed in human diabetic islets and impairs insulin secretion in rat islets and clonal beta cells. <i>Diabetologia</i> , 2017 , 60, 116-125	10.3	50
86	Coordinate changes in histone modifications, mRNA levels, and metabolite profiles in clonal INS-1 832/13 E-cells accompany functional adaptations to lipotoxicity. <i>Journal of Biological Chemistry</i> , 2013 , 288, 11973-87	5.4	50
85	Enhanced mitochondrial metabolism may account for the adaptation to insulin resistance in islets from C57BL/6J mice fed a high-fat diet. <i>Diabetologia</i> , 2007 , 50, 74-83	10.3	50
84	PRL receptor-mediated effects in female mouse adipocytes: PRL induces suppressors of cytokine signaling expression and suppresses insulin-induced leptin production in adipocytes in vitro. <i>Endocrinology</i> , 2001 , 142, 4880-90	4.8	48
83	Genetic variation in the GCKR gene is associated with non-alcoholic fatty liver disease in Chinese people. <i>Molecular Biology Reports</i> , 2011 , 38, 1145-50	2.8	47
82	Osteocalcin, glucose metabolism, lipid profile and chronic low-grade inflammation in middle-aged and elderly Chinese. <i>Diabetic Medicine</i> , 2013 , 30, 309-17	3.5	46
81	Epigenetics and obesity: the devil is in the details. <i>BMC Medicine</i> , 2010 , 8, 88	11.4	43
80	The effects of high glucose exposure on global gene expression and DNA methylation in human pancreatic islets. <i>Molecular and Cellular Endocrinology</i> , 2018 , 472, 57-67	4.4	42
79	Extensive changes in the transcriptional profile of human adipose tissue including genes involved in oxidative phosphorylation after a 6-month exercise intervention. <i>Acta Physiologica</i> , 2014 , 211, 188-200	5.6	41
78	Hepatic DPP4 DNA Methylation Associates With Fatty Liver. <i>Diabetes</i> , 2017 , 66, 25-35	0.9	41
77	Epigenome-Wide Association Study of Incident Type 2 Diabetes in a British Population: EPIC-Norfolk Study. <i>Diabetes</i> , 2019 , 68, 2315-2326	0.9	40
76	Human liver epigenetic alterations in non-alcoholic steatohepatitis are related to insulin action. <i>Epigenetics</i> , 2017 , 12, 287-295	5.7	39

75	36h fasting of young men influences adipose tissue DNA methylation of and in a birth weight-dependent manner. <i>Clinical Epigenetics</i> , 2017 , 9, 40	7.7	38
74	DNA methylation links genetics, fetal environment, and an unhealthy lifestyle to the development of type 2 diabetes. <i>Clinical Epigenetics</i> , 2017 , 9, 105	7.7	37
73	Transcriptional and Epigenetic Changes Influencing Skeletal Muscle Metabolism in Women With Polycystic Ovary Syndrome. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018 , 103, 4465-4477	5.6	35
72	Abnormal epigenetic changes during differentiation of human skeletal muscle stem cells from obese subjects. <i>BMC Medicine</i> , 2017 , 15, 39	11.4	34
71	Epigenetic alterations in blood mirror age-associated DNA methylation and gene expression changes in human liver. <i>Epigenomics</i> , 2017 , 9, 105-122	4.4	33
70	Developmental programming: State-of-the-science and future directions-Summary from a Pennington Biomedical symposium. <i>Obesity</i> , 2016 , 24, 1018-26	8	32
69	Differences in prolactin receptor (PRLR) in mouse and human fallopian tubes: evidence for multiple regulatory mechanisms controlling PRLR isoform expression in mice. <i>Biology of Reproduction</i> , 2008 , 79, 748-57	3.9	32
68	Increased resistin expression in the adipose tissue of male prolactin transgenic mice and in male mice with elevated androgen levels. <i>FEBS Letters</i> , 2001 , 507, 147-50	3.8	32
67	Epigenetic programming of adipose-derived stem cells in low birthweight individuals. <i>Diabetologia</i> , 2016 , 59, 2664-2673	10.3	31
66	The SNARE protein SNAP23 and the SNARE-interacting protein Munc18c in human skeletal muscle are implicated in insulin resistance/type 2 diabetes. <i>Diabetes</i> , 2010 , 59, 1870-8	0.9	31
65	Sex influences DNA methylation and gene expression in human skeletal muscle myoblasts and myotubes. <i>Stem Cell Research and Therapy</i> , 2019 , 10, 26	8.3	31
64	A Syntenic Cross Species Aneuploidy Genetic Screen Links RCAN1 Expression to ECell Mitochondrial Dysfunction in Type 2 Diabetes. <i>PLoS Genetics</i> , 2016 , 12, e1006033	6	30
63	Scavenger receptor class B type I in the rat ovary: possible role in high density lipoprotein cholesterol uptake and in the recognition of apoptotic granulosa cells. <i>Endocrinology</i> , 1999 , 140, 2494-500	4.8	29
62	Diabetes medication associates with DNA methylation of metformin transporter genes in the human liver. <i>Clinical Epigenetics</i> , 2017 , 9, 102	7.7	28
61	Genetic and nongenetic regulation of CAPN10 mRNA expression in skeletal muscle. <i>Diabetes</i> , 2005 , 54, 3015-20	0.9	28
60	ATAC-seq reveals alterations in open chromatin in pancreatic islets from subjects with type 2 diabetes. <i>Scientific Reports</i> , 2019 , 9, 7785	4.9	27
59	Does epigenetic dysregulation of pancreatic islets contribute to impaired insulin secretion and type 2 diabetes?. <i>Biochemistry and Cell Biology</i> , 2015 , 93, 511-21	3.6	27
58	PPARG gene Pro12Ala variant contributes to the development of non-alcoholic fatty liver in middle-aged and older Chinese population. <i>Molecular and Cellular Endocrinology</i> , 2012 , 348, 255-9	4.4	26

57	Interaction between hormone-sensitive lipase and ChREBP in fat cells controls insulin sensitivity. <i>Nature Metabolism</i> , 2019 , 1, 133-146	14.6	26
56	Sex Differences in the Methylome and Transcriptome of the Human Liver and Circulating HDL-Cholesterol Levels. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018 , 103, 4395-4408	5.6	26
55	The potential use of DNA methylation biomarkers to identify risk and progression of type 2 diabetes. <i>Frontiers in Endocrinology</i> , 2015 , 6, 43	5.7	25
54	A Single Bout of Electroacupuncture Remodels Epigenetic and Transcriptional Changes in Adipose Tissue in Polycystic Ovary Syndrome. <i>Scientific Reports</i> , 2018 , 8, 1878	4.9	25
53	Progressive prostate hyperplasia in adult prolactin transgenic mice is not dependent on elevated serum androgen levels. <i>Prostate</i> , 2002 , 53, 24-33	4.2	25
52	Two common genetic variants near nuclear-encoded OXPHOS genes are associated with insulin secretion in vivo. <i>European Journal of Endocrinology</i> , 2011 , 164, 765-71	6.5	24
51	A single nucleotide polymorphism associates with the response of muscle ATP synthesis to long-term exercise training in relatives of type 2 diabetic humans. <i>Diabetes Care</i> , 2012 , 35, 350-7	14.6	23
50	Prolactin suppresses malonyl-CoA concentration in human adipose tissue. <i>Hormone and Metabolic Research</i> , 2009 , 41, 747-51	3.1	23
49	Molecular correlates for maximal oxygen uptake and type 1 fibers. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008 , 294, E1152-9	6	23
48	Does DNA methylation of PPARGC1A influence insulin action in first degree relatives of patients with type 2 diabetes?. <i>PLoS ONE</i> , 2013 , 8, e58384	3.7	22
47	MC1568 improves insulin secretion in islets from type 2 diabetes patients and rescues β cell dysfunction caused by Hdac7 upregulation. <i>Acta Diabetologica</i> , 2018 , 55, 1231-1235	3.9	21
46	Genetic variation in ATP5O is associated with skeletal muscle ATP5O mRNA expression and glucose uptake in young twins. <i>PLoS ONE</i> , 2009 , 4, e4793	3.7	21
45	Lysine demethylase inhibition protects pancreatic β cells from apoptosis and improves β cell function. <i>Molecular and Cellular Endocrinology</i> , 2018 , 460, 47-56	4.4	20
44	A common variant near the PRL gene is associated with increased adiposity in males. <i>Molecular Genetics and Metabolism</i> , 2011 , 102, 78-81	3.7	20
43	Impact of the peroxisome proliferator activated receptor-gamma coactivator-1beta (PGC-1beta) Ala203Pro polymorphism on in vivo metabolism, PGC-1beta expression and fibre type composition in human skeletal muscle. <i>Diabetologia</i> , 2007 , 50, 1615-20	10.3	20
42	Elevated serum chemokine CXC ligand 5 levels are associated with hypercholesterolemia but not a worsening of insulin resistance in Chinese people. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, 3926-32	5.6	19
41	Calpain-10 expression is elevated in pancreatic islets from patients with type 2 diabetes. <i>PLoS ONE</i> , 2009 , 4, e6558	3.7	19
40	Transcriptome and proteome analysis of soleus muscle of hormone-sensitive lipase-null mice. <i>Journal of Lipid Research</i> , 2005 , 46, 2614-23	6.3	19

39	Human adipogenesis is associated with genome-wide DNA methylation and gene-expression changes. <i>Epigenomics</i> , 2016 , 8, 1601-1617	4.4	18
38	Telomere length in blood and skeletal muscle in relation to measures of glycaemia and insulinaemia. <i>Diabetic Medicine</i> , 2012 , 29, e377-81	3.5	18
37	The association of mitochondrial content with prevalent and incident type 2 diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, 1909-15	5.6	17
36	Relationships of plasma adiponectin level and adiponectin receptors 1 and 2 gene expression to insulin sensitivity and glucose and fat metabolism in monozygotic and dizygotic twins. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007 , 92, 2835-9	5.6	17
35	Fetal Hyperglycemia Changes Human Preadipocyte Function in Adult Life. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017 , 102, 1141-1150	5.6	16
34	Epigenetic regulation of insulin action and secretion - role in the pathogenesis of type 2 diabetes. <i>Journal of Internal Medicine</i> , 2020 , 288, 158-167	10.8	16
33	First-degree relatives of type 2 diabetic patients have reduced expression of genes involved in fatty acid metabolism in skeletal muscle. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012 , 97, E1332-7	5.6	16
32	Glucolipototoxicity Alters Insulin Secretion via Epigenetic Changes in Human Islets. <i>Diabetes</i> , 2019 , 68, 1965-1974	0.9	15
31	Genetic and nongenetic determinants of skeletal muscle glucose transporter 4 messenger ribonucleic acid levels and insulin action in twins. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006 , 91, 702-8	5.6	15
30	Prevalence of non-alcoholic fatty liver disease and its relation to hypoadiponectinaemia in the middle-aged and elderly Chinese population. <i>Archives of Medical Science</i> , 2011 , 7, 665-72	2.9	14
29	Developmental and hormonal regulation of progesterone receptor A-form expression in female mouse lung in vivo: interaction with glucocorticoid receptors. <i>Journal of Endocrinology</i> , 2006 , 190, 857-70	4.7	14
28	Epigenetic markers associated with metformin response and intolerance in drug-naïve patients with type 2 diabetes. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	14
27	Liver DNA methylation of FADS2 associates with FADS2 genotype. <i>Clinical Epigenetics</i> , 2019 , 11, 10	7.7	12
26	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. <i>Molecular Genetics and Metabolism</i> , 2011 , 103, 275-81	3.7	12
25	Regulation of skeletal muscle PPAR delta mRNA expression in twins. <i>Journal of Physiology</i> , 2007 , 584, 1011-7	3.9	12
24	PRL Receptor-Mediated Effects in Female Mouse Adipocytes: PRL Induces Suppressors of Cytokine Signaling Expression and Suppresses Insulin-Induced Leptin Production in Adipocytes in Vitro		11
23	Less pronounced response to exercise in healthy relatives to type 2 diabetic subjects compared with controls. <i>Journal of Applied Physiology</i> , 2015 , 119, 953-60	3.7	9
22	Isolation of differentially expressed aldose reductase in ovaries after estrogen withdrawal from hypophysectomized diethylstilbestrol treated rats: increased expression during apoptosis. <i>Molecular and Cellular Endocrinology</i> , 2000 , 164, 183-90	4.4	8

21	Epigenetic Changes in Islets of Langerhans Preceding the Onset of Diabetes. <i>Diabetes</i> , 2020 , 69, 2503-2517	17	8
20	Serum aromatic and branched-chain amino acids associated with NASH demonstrate divergent associations with serum lipids. <i>Liver International</i> , 2021 , 41, 754-763	7.9	8
19	Lifestyle Intervention in Pregnant Women With Obesity Impacts Cord Blood DNA Methylation, Which Associates With Body Composition in the Offspring. <i>Diabetes</i> , 2021 , 70, 854-866	0.9	8
18	The Lysine Demethylase KDM5B Regulates Islet Function and Glucose Homeostasis. <i>Journal of Diabetes Research</i> , 2019 , 2019, 5451038	3.9	7
17	VPS39-deficiency observed in type 2 diabetes impairs muscle stem cell differentiation via altered autophagy and epigenetics. <i>Nature Communications</i> , 2021 , 12, 2431	17.4	7
16	Fasting unmasks differential fat and muscle transcriptional regulation of metabolic gene sets in low versus normal birth weight men. <i>EBioMedicine</i> , 2019 , 47, 341-351	8.8	6
15	Epigenome- and Transcriptome-wide Changes in Muscle Stem Cells from Low Birth Weight Men. <i>Endocrine Research</i> , 2020 , 45, 58-71	1.9	4
14	Electroacupuncture Mimics Exercise-Induced Changes in Skeletal Muscle Gene Expression in Women With Polycystic Ovary Syndrome. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020 , 105,	5.6	3
13	Statin therapy is associated with epigenetic modifications in individuals with Type 2 diabetes. <i>Epigenomics</i> , 2021 , 13, 919-925	4.4	2
12	Epigenetic Modifications and Type 2 Diabetes in Humans. <i>Frontiers in Diabetes</i> , 2014 , 102-110	0.6	1
11	Epigenetics and Type 2 Diabetes 2011 , 135-145		1
10	Differential DNA Methylation and Expression of miRNAs in Adipose Tissue From Twin Pairs Discordant for Type 2 Diabetes. <i>Diabetes</i> , 2021 , 70, 2402-2418	0.9	1
9	Genetic Epidemiology of Type 2 Diabetes 95-110		1
8	Excess of glucocorticoids during late gestation impairs the recovery of offspring's B cell function after a postnatal injury. <i>FASEB Journal</i> , 2021 , 35, e21828	0.9	0
7	Pharmacoeugenetics in type 2 diabetes: is it clinically relevant?. <i>Diabetologia</i> , 2022 , 1	10.3	0
6	Epigenetic Epidemiology of Obesity and Type 2 Diabetes 2022 , 445-474		0
5	Epigenetics in Type 2 Diabetes 2016 , 241-258		
4	Genome-Wide DNA and Histone Modification Studies in Metabolic Disease 2016 , 255-270		

- 3 Epigenetics of Diabetes in Humans **2012**, 321-329
- 2 Epigenetics in the Pathophysiology of Type 2 Diabetes **2012**, 225-232
- 1 Basics of Molecular Genetics: Lessons from Type 2 Diabetes 367-376