

Charlotte BrÃns

List of Publications by Year in descending order

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43
papers

2,118
citations

331670

21
h-index

254184

43
g-index

43
all docs

43
docs citations

43
times ranked

3617
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.9	223
2	Impact of short-term high-fat feeding on glucose and insulin metabolism in young healthy men. <i>Journal of Physiology</i> , 2009, 587, 2387-2397.	2.9	214
3	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, 3341-3349.	6.3	179
4	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, 3048-3056.	3.6	172
5	The thrifty phenotype hypothesis revisited. <i>Diabetologia</i> , 2012, 55, 2085-2088.	6.3	139
6	Programming of adipose tissue miR-483-3p and GDF-3 expression by maternal diet in type 2 diabetes. <i>Cell Death and Differentiation</i> , 2012, 19, 1003-1012.	11.2	128
7	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.	2.5	88
8	MECHANISMS IN ENDOCRINOLOGY: Skeletal muscle lipotoxicity in insulin resistance and type 2 diabetes: a causal mechanism or an innocent bystander?. <i>European Journal of Endocrinology</i> , 2017, 176, R67-R78.	3.7	78
9	Mitochondrial Function in Skeletal Muscle Is Normal and Unrelated to Insulin Action in Young Men Born with Low Birth Weight. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008, 93, 3885-3892.	3.6	75
10	Prevalence and risk factors of gestational diabetes in Punjab, North India: results from a population screening program. <i>European Journal of Endocrinology</i> , 2015, 173, 257-267.	3.7	75
11	Chronic Non-bacterial Osteomyelitis: A Review. <i>Calcified Tissue International</i> , 2019, 104, 544-553.	3.1	70
12	Young men with low birthweight exhibit decreased plasticity of genome-wide muscle DNA methylation by high-fat overfeeding. <i>Diabetologia</i> , 2014, 57, 1154-1158.	6.3	67
13	PPARGC1A DNA methylation in subcutaneous adipose tissue in low birth weight subjects – impact of 5days of high-fat overfeeding. <i>Metabolism: Clinical and Experimental</i> , 2014, 63, 263-271.	3.4	65
14	Adipose tissue transcriptomics and epigenomics in low birthweight men and controls: role of high-fat overfeeding. <i>Diabetologia</i> , 2016, 59, 799-812.	6.3	64
15	Effects of high-fat overfeeding on mitochondrial function, glucose and fat metabolism, and adipokine levels in low-birth-weight subjects. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 302, E43-E51.	3.5	52
16	36h fasting of young men influences adipose tissue DNA methylation of LEP and ADIPOQ in a birth weight-dependent manner. <i>Clinical Epigenetics</i> , 2017, 9, 40.	4.1	48
17	Impact of short-term high-fat feeding and insulin-stimulated FGF21 levels in subjects with low birth weight and controls. <i>European Journal of Endocrinology</i> , 2012, 167, 49-57.	3.7	43
18	The disposition index: adjustment for peripheral vs. hepatic insulin sensitivity?. <i>Journal of Physiology</i> , 2010, 588, 759-764.	2.9	39

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19	Plasma acylcarnitine profiling indicates increased fatty acid oxidation relative to tricarboxylic acid cycle capacity in young, healthy low birth weight men. <i>Physiological Reports</i> , 2016, 4, e12977.	1.7	39
20	Metabolic response to 36 hours of fasting in young men born small vs appropriate for gestational age. <i>Diabetologia</i> , 2015, 58, 178-187.	6.3	28
21	Effect of chemotherapy and aromatase inhibitors in the adjuvant treatment of breast cancer on glucose and insulin metabolism – A systematic review. <i>Cancer Medicine</i> , 2019, 8, 238-245.	2.8	28
22	VPS39-deficiency observed in type 2 diabetes impairs muscle stem cell differentiation via altered autophagy and epigenetics. <i>Nature Communications</i> , 2021, 12, 2431.	12.8	20
23	Criterion validity and reliability of a smartphone delivered sub-maximal fitness test for people with type 2 diabetes. <i>BMC Sports Science, Medicine and Rehabilitation</i> , 2016, 8, 31.	1.7	16
24	Leukocyte telomere length is associated with elevated plasma glucose and HbA1c in young healthy men independent of birth weight. <i>Scientific Reports</i> , 2019, 9, 7639.	3.3	15
25	Implementation of interval walking training in patients with type 2 diabetes in Denmark: rationale, design, and baseline characteristics. <i>Clinical Epidemiology</i> , 2016, 8, 201.	3.0	14
26	Plasma amino acid levels are elevated in young, healthy low birth weight men exposed to short-term high-fat overfeeding. <i>Physiological Reports</i> , 2016, 4, e13044.	1.7	14
27	The Triglyceride Content in Skeletal Muscle Is Associated with Hepatic But Not Peripheral Insulin Resistance in Elderly Twins. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, 4571-4577.	3.6	13
28	Association between genetic risk variants and glucose intolerance during pregnancy in north Indian women. <i>BMC Medical Genomics</i> , 2018, 11, 64.	1.5	13
29	Impact of prolonged fasting on insulin secretion, insulin action, and hepatic versus whole body insulin secretion disposition indices in healthy young males. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 320, E281-E290.	3.5	13
30	Phenotypic and genotypic differences between Indian and Scandinavian women with gestational diabetes mellitus. <i>Journal of Internal Medicine</i> , 2019, 286, 192-206.	6.0	12
31	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.	6.1	11
32	Increased nocturnal fat oxidation in young healthy men with low birth weight: Results from 24-h whole-body respiratory chamber measurements. <i>Metabolism: Clinical and Experimental</i> , 2013, 62, 709-716.	3.4	10
33	Disproportionately increased 24-h energy expenditure and fat oxidation in young men with low birth weight during a high-fat overfeeding challenge. <i>European Journal of Nutrition</i> , 2016, 55, 2045-2052.	3.9	8
34	Increased liver fat associates with severe metabolic perturbations in low birth weight men. <i>European Journal of Endocrinology</i> , 2022, 186, 511-521.	3.7	8
35	Endocrine and metabolic diurnal rhythms in young adult men born small vs appropriate for gestational age. <i>European Journal of Endocrinology</i> , 2016, 175, 29-40.	3.7	7
36	Epigenome- and Transcriptome-wide Changes in Muscle Stem Cells from Low Birth Weight Men. <i>Endocrine Research</i> , 2020, 45, 58-71.	1.2	7

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37	Insulin secretion and action in North Indian women during pregnancy. <i>Diabetic Medicine</i> , 2017, 34, 1477-1482.	2.3	5
38	FRAX Calculated without BMD Resulting in a Higher Fracture Risk Than That Calculated with BMD in Women with Early Breast Cancer. <i>Journal of Osteoporosis</i> , 2018, 2018, 1-6.	0.5	5
39	Retinol-Binding Protein 4 in Young Men With Low Versus Normal Birth Weight: Physiological Response to Short-Term Overfeeding. <i>Obesity</i> , 2011, 19, 1304-1306.	3.0	3
40	Plasma ceramide levels are altered in low and normal birth weight men in response to short-term high-fat overfeeding. <i>Scientific Reports</i> , 2018, 8, 3452.	3.3	3
41	TCF7L2 Expression Is Regulated by Cell Differentiation and Overfeeding in Human Adipose Tissue. <i>Endocrine Research</i> , 2019, 44, 110-116.	1.2	3
42	Complement factors C4 and C3 are down regulated in response to short term overfeeding in healthy young men. <i>Scientific Reports</i> , 2017, 7, 1235.	3.3	2
43	Abdominal fat distribution measured by ultrasound and aerobic fitness in young Danish men born with low and normal birth weight. <i>Obesity Research and Clinical Practice</i> , 2019, 13, 529-532.	1.8	2