Camilla Scheele

List of Publications by Year
in descending order

75 papers	6,528 citations	81900 39 h-index	69250 77 g-index
85 all docs	85 docs citations	85 times ranked	11064 citing authors

#	Article	IF	Citations
1	Interleukinâ€6 myokine signaling in skeletal muscle: a doubleâ€edged sword?. FEBS Journal, 2013, 280, 4131-4148.	4.7	550
2	A Classical Brown Adipose Tissue mRNA Signature Partly Overlaps with Brite in the Supraclavicular Region of Adult Humans. Cell Metabolism, 2013, 17, 798-805.	16.2	474
3	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.	0.6	326
4	Adenosine activates brown adipose tissue and recruits beige adipocytes via A2A receptors. Nature, 2014, 516, 395-399.	27.8	316
5	Using molecular classification to predict gains in maximal aerobic capacity following endurance exercise training in humans. Journal of Applied Physiology, 2010, 108, 1487-1496.	2.5	296
6	Muscle specific microRNAs are regulated by endurance exercise in human skeletal muscle. Journal of Physiology, 2010, 588, 4029-4037.	2.9	273
7	Lack of Adipocyte AMPK Exacerbates Insulin Resistance and Hepatic Steatosis through Brown and Beige Adipose Tissue Function. Cell Metabolism, 2016, 24, 118-129.	16.2	259
8	The miRNA Plasma Signature in Response to Acute Aerobic Exercise and Endurance Training. PLoS ONE, 2014, 9, e87308.	2.5	247
9	Integration of microRNA changes in vivo identifies novel molecular features of muscle insulin resistance in type 2 diabetes. Genome Medicine, 2010, 2, 9.	8.2	225
10	Human Brown Adipocyte Thermogenesis Is Driven by Î²2-AR Stimulation. Cell Metabolism, 2020, 32, 287-300.e7.	16.2	185
11	FGF21 Is a Sugar-Induced Hormone Associated with Sweet Intake and Preference in Humans. Cell Metabolism, 2017, 25, 1045-1053.e6.	16.2	169
12	Osteogenesis depends on commissioning of a network of stem cell transcription factors that act as repressors of adipogenesis. Nature Genetics, 2019, 51, 716-727.	21.4	156
13	Brown Fat AKT2 Is a Cold-Induced Kinase that Stimulates ChREBP-Mediated De Novo Lipogenesis to Optimize Fuel Storage and Thermogenesis. Cell Metabolism, 2018, 27, 195-209.e6.	16.2	151
14	Dysregulation of Mitochondrial Dynamics and the Muscle Transcriptome in ICU Patients Suffering from Sepsis Induced Multiple Organ Failure. PLoS ONE, 2008, 3, e3686.	2.5	137
15	ROS and myokines promote muscle adaptation to exercise. Trends in Endocrinology and Metabolism, 2009, 20, 95-99.	7.1	132
16	The human PINK1 locus is regulated in vivo by a non-coding natural antisense RNA during modulation of mitochondrial function. BMC Genomics, 2007, 8, 74.	2.8	125
17	Cardiolipin Synthesis in Brown and Beige Fat Mitochondria Is Essential for Systemic Energy Homeostasis. Cell Metabolism, 2018, 28, 159-174.e11.	16.2	114
18	LIF is a contraction-induced myokine stimulating human myocyte proliferation. Journal of Applied Physiology, 2011, 111, 251-259.	2.5	112

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19	Proteome- and Transcriptome-Driven Reconstruction of the Human Myocyte Metabolic Network and Its Use for Identification of Markers for Diabetes. Cell Reports, 2015, 11, 921-933.	6.4	112
20	Proteomics-Based Comparative Mapping of the Secretomes of Human Brown and White Adipocytes Reveals EPDR1 as a Novel Batokine. Cell Metabolism, 2019, 30, 963-975.e7.	16.2	109
21	Brown Adipose Crosstalk in Tissue Plasticity and Human Metabolism. Endocrine Reviews, 2020, 41, 53-65.	20.1	109
22	Diverse repertoire of human adipocyte subtypes develops from transcriptionally distinct mesenchymal progenitor cells. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17970-17979.	7.1	106
23	Human brown adipose tissue is phenocopied by classical brown adipose tissue in physiologically humanized mice. Nature Metabolism, 2019, 1, 830-843.	11.9	103
24	Elevated NF-Î²B Activation Is Conserved in Human Myocytes Cultured From Obese Type 2 Diabetic Patients and Attenuated by AMP-Activated Protein Kinase. Diabetes, 2011, 60, 2810-2819.	0.6	95
25	Heterogeneity in the perirenal region of humans suggests presence of dormant brown adipose tissue that contains brown fat precursor cells. Molecular Metabolism, 2019, 24, 30-43.	6.5	85
26	Altered regulation of the PINK1 locus: a link between type 2 diabetes and neurodegeneration?. FASEB Journal, 2007, 21, 3653-3665.	0.5	83
27	Deep muscle-proteomic analysis of freeze-dried human muscle biopsies reveals fiber type-specific adaptations to exercise training. Nature Communications, 2021, 12, 304.	12.8	79
28	Adenosine/A2B Receptor Signaling Ameliorates the Effects of Aging and Counteracts Obesity. Cell Metabolism, 2020, 32, 56-70.e7.	16.2	77
29	NFIA co-localizes with PPARÎ³ and transcriptionally controls the brown fat gene program. Nature Cell Biology, 2017, 19, 1081-1092.	10.3	73
30	Activity-induced and developmental downregulation of the Nogo receptor. Cell and Tissue Research, 2003, 311, 333-342.	2.9	71
31	Lipolysis drives expression of the constitutively active receptor GPR3 to induce adipose thermogenesis. Cell, 2021, 184, 3502-3518.e33.	28.9	68
32	Human thermogenic adipocyte regulation by the long noncoding RNA LINC00473. Nature Metabolism, 2020, 2, 397-412.	11.9	65
33	Expression profiling following local muscle inactivity in humans provides new perspective on diabetes-related genes. Genomics, 2006, 87, 165-172.	2.9	64
34	Metabolic regulation and the anti-obesity perspectives of human brown fat. Redox Biology, 2017, 12, 770-775.	9.0	62
35	Satellite Cells Derived from Obese Humans with Type 2 Diabetes and Differentiated into Myocytes In Vitro Exhibit Abnormal Response to IL-6. PLoS ONE, 2012, 7, e39657.	2.5	55
36	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.	6.3	53

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37	Sex influences DNA methylation and gene expression in human skeletal muscle myoblasts and myotubes. Stem Cell Research and Therapy, 2019, 10, 26.	5.5	52
38	Abnormal epigenetic changes during differentiation of human skeletal muscle stem cells from obese subjects. BMC Medicine, 2017, 15, 39.	5.5	51
39	Impaired Leptin Gene Expression and Release in Cultured Preadipocytes Isolated From Individuals Born With Low Birth Weight. Diabetes, 2014, 63, 111-121.	0.6	43
40	Gamma-Aminobutyric Acid Signaling in Brown Adipose Tissue Promotes Systemic Metabolic Derangement in Obesity. Cell Reports, 2018, 24, 2827-2837.e5.	6.4	40
41	Type 2 diabetes and obesity induce similar transcriptional reprogramming in human myocytes. Genome Medicine, 2017, 9, 47.	8.2	37
42	Epigenetic programming of adipose-derived stem cells in low birthweight individuals. Diabetologia, 2016, 59, 2664-2673.	6.3	36
43	Novel nuances of human brown fat. Adipocyte, 2014, 3, 54-57.	2.8	33
44	Endogenous Fatty Acid Synthesis Drives Brown Adipose Tissue Involution. Cell Reports, 2021, 34, 108624.	6.4	33
45	Deficient leukemia inhibitory factor signaling in muscle precursor cells from patients with type 2 diabetes. American Journal of Physiology - Endocrinology and Metabolism, 2012, 303, E283-E292.	3.5	31
46	Muscle specific miRNAs are induced by testosterone and independently upregulated by age. Frontiers in Physiology, 2014, 4, 394.	2.8	30
47	Angiogenic and inflammatory biomarkers for screening and follow-up in patients with pulmonary arterial hypertension. Scandinavian Journal of Rheumatology, 2018, 47, 319-324.	1.1	30
48	An anti-inflammatory phenotype in visceral adipose tissue of old lean mice, augmented by exercise. Scientific Reports, 2019, 9, 12069.	3.3	30
49	Lifelong Physical Activity Prevents Aging-Associated Insulin Resistance in Human Skeletal Muscle Myotubes via Increased Glucose Transporter Expression. PLoS ONE, 2013, 8, e66628.	2.5	29
50	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.	6.5	27
51	Exercise and browning of white adipose tissue â€“ a translational perspective. Current Opinion in Pharmacology, 2020, 52, 18-24.	3.5	27
52	Challenges in tackling energy expenditure as obesity therapy: From preclinical models to clinical application. Molecular Metabolism, 2021, 51, 101237.	6.5	27
53	Kinetics of Senescence-associated Changes of Gene Expression in an Epithelial, Temperature-sensitive SV40 Large T Antigen Model. Cancer Research, 2004, 64, 482-489.	0.9	24
54	Fetal Hyperglycemia Changes Human Preadipocyte Function in Adult Life. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 1141-1150.	3.6	20

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55	VPS39-deficiency observed in type 2 diabetes impairs muscle stem cell differentiation via altered autophagy and epigenetics. Nature Communications, 2021, 12, 2431.	12.8	20
56	Physical activity is associated with retained muscle metabolism in human myotubes challenged with palmitate. Journal of Physiology, 2013, 591, 4621-4635.	2.9	17
57	Altered brown fat thermoregulation and enhanced cold-induced thermogenesis in young, healthy, winter-swimming men. Cell Reports Medicine, 2021, 2, 100408.	6.5	17
58	Dysregulated autophagy in muscle precursor cells from humans with type 2 diabetes. Scientific Reports, 2019, 9, 8169.	3.3	16
59	Brown Adipose Tissue: A Metabolic Regulator in a Hypothalamic Cross Talk?. Annual Review of Physiology, 2021, 83, 279-301.	13.1	16
60	Genomic variants at the PINK1 locus are associated with transcript abundance and plasma nonesterified fatty acid concentrations in European whites. FASEB Journal, 2008, 22, 3135-3145.	0.5	13
61	In Vitro Palmitate Treatment of Myotubes from Postmenopausal Women Leads to Ceramide Accumulation, Inflammation and Affected Insulin Signaling. PLoS ONE, 2014, 9, e101555.	2.5	13
62	Characterization of RNA interference in rat PC12 cells: requirement of GERp95. Biochemical and Biophysical Research Communications, 2004, 318, 927-934.	2.1	10
63	Adipogenesis in Primary Cell Culture. Handbook of Experimental Pharmacology, 2018, 251, 73-84.	1.8	8
64	Epigenome- and Transcriptome-wide Changes in Muscle Stem Cells from Low Birth Weight Men. Endocrine Research, 2020, 45, 58-71.	1.2	7
65	Calsyntenin 3Î² Is Dynamically Regulated by Temperature in Murine Brown Adipose and Marks Human Multilocular Fat. Frontiers in Endocrinology, 2020, 11, 579785.	3.5	7
66	Single Cell Analysis Identifies the miRNA Expression Profile of a Subpopulation of Muscle Precursor Cells Unique to Humans With Type 2 Diabetes. Frontiers in Physiology, 2018, 9, 883.	2.8	5
67	OUP accepted manuscript. Biology Methods and Protocols, 2021, 6, bpab021.	2.2	5
68	Adipose adaptation to exercise training â€“increased metabolic rate but no signs of browning. Acta Physiologica, 2014, 211, 11-12.	3.8	4
69	Can we target obesity using a single-cell atlas of adipose tissue?. Med, 2022, 3, 276-278.	4.4	4
70	Chapter 12 Using Functional Genomics to Study PINK1 and Metabolic Physiology. Methods in Enzymology, 2009, 457, 211-229.	1.0	3
71	Functional diversity of human adipose tissue revealed by spatial mapping. Nature Reviews Endocrinology, 2021, 17, 713-714.	9.6	3
72	Perspectives on the role of brown adipose tissue in human body temperature and metabolism. Cell Reports Medicine, 2021, 2, 100427.	6.5	1

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73	Do mitochondria provide a common link between diabetes and Parkinson's disease?. Practical Diabetes International: the International Journal for Diabetes Care Teams Worldwide, 2007, 24, 337-339.	0.2	0
74	Alterations in Vascular Endothelial Growth Factors After Heart Transplantation. Journal of Heart and Lung Transplantation, 2017, 36, S395-S396.	0.6	0
75	Isolation and Characterization of Human Brown Adipocytes. Methods in Molecular Biology, 2022, 2448, 217-234.	0.9	0