Sten Lund

List of Publications by Year
in descending order

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Version: 2024-02-01

61 papers	3,114 citations	159358 30 h-index	155451 55 g-index
61 all docs	61 docs citations	61 times ranked	4981 citing authors

#	Article	IF	Citations
1	Lot variation and inter-device differences contribute to poor analytical performance of the DCA Vantageâ„¢ HbA_{1c} POCT instrument in a true clinical setting. Clinical Chemistry and Laboratory Medicine, 2022, 60, 127-134.	1.4	5
2	A diet-induced gut microbiota component and related plasma metabolites are associated with depressive-like behaviour in rats. European Neuropsychopharmacology, 2021, 43, 10-21.	0.3	16
3	Gastric Emptying Time and Volume of the Small Intestine as Objective Markers in Patients With Symptoms of Diabetic Enteropathy. Journal of Neurogastroenterology and Motility, 2021, 27, 390-399.	0.8	7
4	Enteric cholinergic neuropathy in patients with diabetes: Nonâ€invasive assessment with positron emission tomography. Neurogastroenterology and Motility, 2020, 32, e13731.	1.6	8
5	Colonic motility in patients with type 1 diabetes and gastrointestinal symptoms. Neurogastroenterology and Motility, 2020, 32, e13948.	1.6	14
6	The antidepressant-like effect of probiotics and their faecal abundance may be modulated by the cohabiting gut microbiota in rats. European Neuropsychopharmacology, 2019, 29, 98-110.	0.3	22
7	Grandmaternal high-fat diet primed anxiety-like behaviour in the second-generation female offspring. Behavioural Brain Research, 2019, 359, 47-55.	1.2	44
8	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
9	The microbial metabolite indole-3-propionic acid improves glucose metabolism in rats, but does not affect behaviour. Archives of Physiology and Biochemistry, 2018, 124, 306-312.	1.0	67
10	Maternal High-fat Diet Programs Offspring Emotional Behavior in Adulthood. Neuroscience, 2018, 388, 87-101.	1.1	63
11	DNA methylation in epigenetic inheritance of metabolic diseases through the male germ line. Journal of Molecular Endocrinology, 2018, 60, R39-R56.	1.1	47
12	Probiotic treatment reduces depressive-like behaviour in rats independently of diet. Psychoneuroendocrinology, 2017, 79, 40-48.	1.3	149
13	Probiotic treatment protects against the pro-depressant-like effect of high-fat diet in Flinders Sensitive Line rats. Brain, Behavior, and Immunity, 2017, 65, 33-42.	2.0	39
14	Inflammation Downregulates UCP1 Expression in Brown Adipocytes Potentially via SIRT1 and DBC1 Interaction. International Journal of Molecular Sciences, 2017, 18, 1006.	1.8	54
15	Slow Phospholipid Exchange between a Detergent-Solubilized Membrane Protein and Lipid-Detergent Mixed Micelles: Brominated Phospholipids as Tools to Follow Its Kinetics. PLoS ONE, 2017, 12, e0170481.	1.1	7
16	LPS-Enhanced Glucose-Stimulated Insulin Secretion Is Normalized by Resveratrol. PLoS ONE, 2016, 11, e0146840.	1.1	22
17	A robust method to screen detergents for membrane protein stabilization, revisited. Analytical Biochemistry, 2016, 511, 31-35.	1.1	18
18	Gene expression of the zinc transporter ZIP14 (SLC39a14) is affected by weight loss and metabolic status and associates with PPARÎ³ in human adipose tissue and 3T3-L1 pre-adipocytes. BMC Obesity, 2015, 2, 46.	3.1	23

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19	Dietary magnesium deficiency alters gut microbiota and leads to depressive-like behaviour. Acta Neuropsychiatrica, 2015, 27, 168-176.	1.0	61
20	Effects of ambient temperature on glucose tolerance and insulin sensitivity test outcomes in normal and obese C57 male mice. Physiological Reports, 2015, 3, e12396.	0.7	17
21	GLP-1 receptor agonists have a sustained stimulatory effect on corticosterone release after chronic treatment. Acta Neuropsychiatrica, 2015, 27, 25-32.	1.0	23
22	Chronic lipopolysaccharide infusion fails to induce depressive-like behaviour in adult male rats. Acta Neuropsychiatrica, 2015, 27, 189-194.	1.0	9
23	Behavioral and systemic consequences of long-term inflammatory challenge. Journal of Neuroimmunology, 2015, 288, 40-46.	1.1	31
24	Chronic exposure to low doses of lipopolysaccharide and high-fat feeding increases body mass without affecting glucose tolerance in female rats. Physiological Reports, 2015, 3, e12584.	0.7	13
25	Chronic high-fat diet increases acute neuroendocrine stress response independently of prenatal dexamethasone treatment in male rats. Acta Neuropsychiatrica, 2014, 26, 8-18.	1.0	22
26	Dissecting adipose tissue lipolysis: molecular regulation and implications for metabolic disease. Journal of Molecular Endocrinology, 2014, 52, R199-R222.	1.1	282
27	Reduced mRNA and Protein Expression of Perilipin A and G0/G1 Switch Gene 2 (G0S2) in Human Adipose Tissue in Poorly Controlled Type 2 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2012, 97, E1348-E1352.	1.8	27
28	Estrogen prevents increased hepatic aquaporin-9 expression and glycerol uptake during starvation. American Journal of Physiology - Renal Physiology, 2012, 302, G365-G374.	1.6	27
29	Isolation-induced behavioural changes in a genetic animal model of depression. Behavioural Brain Research, 2012, 230, 85-91.	1.2	24
30	Metabolic impacts of high dietary exposure to persistent organic pollutants in mice. Toxicology Letters, 2012, 215, 8-15.	0.4	15
31	Gender-specific effect of physical training on AQP7 protein expression in human adipose tissue. Acta Diabetologica, 2012, 49, 215-226.	1.2	36
32	Microarray expression analysis in delayed cardioprotection: the effect of exercise, AICAR, or metformin and the possible role of AMP-activated protein kinase (AMPK). Molecular and Cellular Biochemistry, 2012, 360, 353-362.	1.4	17
33	GLUT4 and UBC9 Protein Expression Is Reduced in Muscle from Type 2 Diabetic Patients with Severe Insulin Resistance. PLoS ONE, 2011, 6, e27854.	1.1	74
34	A high-fat diet exacerbates depressive-like behavior in the Flinders Sensitive Line (FSL) rat, a genetic model of depression. Psychoneuroendocrinology, 2011, 36, 623-633.	1.3	77
35	Fasting, But Not Exercise, Increases Adipose Triglyceride Lipase (ATGL) Protein and Reduces G(0)/G(1) Switch Gene 2 (G0S2) Protein and mRNA Content in Human Adipose Tissue. Journal of Clinical Endocrinology and Metabolism, 2011, 96, E1293-E1297.	1.8	68
36	Chronic Consumption of Farmed Salmon Containing Persistent Organic Pollutants Causes Insulin Resistance and Obesity in Mice. PLoS ONE, 2011, 6, e25170.	1.1	133

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37	Gender specific regulation of hepatic aquaporinâ€9 and glycerol kinase expression in starved rats. FASEB Journal, 2011, 25, 1117.4.	0.2	0
38	Evaluation of the relationship between hyperinsulinaemia and myocardial ischaemia/reperfusion injury in a rat model of depression. Clinical Science, 2010, 118, 259-267.	1.8	14
39	Effects of GH in human muscle and fat. Pediatric Nephrology, 2010, 25, 705-709.	0.9	22
40	Treatment with an SSRI antidepressant restores hippocampo-hypothalamic corticosteroid feedback and reverses insulin resistance in low-birth-weight rats. American Journal of Physiology - Endocrinology and Metabolism, 2010, 298, E920-E929.	1.8	29
41	Exercise and Fasting Activate Growth Hormone-Dependent Myocellular Signal Transducer and Activator of Transcription-5b Phosphorylation and Insulin-Like Growth Factor-I Messenger Ribonucleic Acid Expression in Humans. Journal of Clinical Endocrinology and Metabolism, 2010, 95, E64-E68.	1.8	25
42	Free Fatty Acids Inhibit Growth Hormone/Signal Transducer and Activator of Transcription-5 Signaling in Human Muscle: A Potential Feedback Mechanism. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 2204-2207.	1.8	21
43	5-Aminoimidazole-4-carboxamide-1-Î²-d-ribofuranoside Increases Myocardial Glucose Uptake during Reperfusion and Induces Late Pre-conditioning: Potential Role of AMP-Activated Protein Kinase. Basic and Clinical Pharmacology and Toxicology, 2009, 105, 10-16.	1.2	16
44	Metformin Induces Cardioprotection against Ischaemia/Reperfusion Injury in the Rat Heart 24 Hours after Administration. Basic and Clinical Pharmacology and Toxicology, 2008, 103, 82-87.	1.2	75
45	The anti-diabetic AMPK activator AICAR reduces IL-6 and IL-8 in human adipose tissue and skeletal muscle cells. Molecular and Cellular Endocrinology, 2008, 292, 36-41.	1.6	58
46	Ghrelin Infusion in Humans Induces Acute Insulin Resistance and Lipolysis Independent of Growth Hormone Signaling. Diabetes, 2008, 57, 3205-3210.	0.3	138
47	Growth Hormone Signaling in Vivo in Human Muscle and Adipose Tissue: Impact of Insulin, Substrate Background, and Growth Hormone Receptor Blockade. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 2842-2850.	1.8	58
48	Muscle GLUT4 in cirrhosis. Journal of Hepatology, 2007, 47, 212-219.	1.8	3
49	Impaired insulin action despite upregulation of proximal insulin signaling: Novel insights into skeletal muscle insulin resistance in liver cirrhosis. Journal of Hepatology, 2006, 45, 797-804.	1.8	11
50	Impact of exercise training on insulin sensitivity, physical fitness, and muscle oxidative capacity in first-degree relatives of type 2 diabetic patients. American Journal of Physiology - Endocrinology and Metabolism, 2006, 290, E998-E1005.	1.8	72
51	Evidence against a role for insulin-signaling proteins PI 3-kinase and Akt in insulin resistance in human skeletal muscle induced by short-term GH infusion. American Journal of Physiology - Endocrinology and Metabolism, 2005, 288, E194-E199.	1.8	57
52	Long-Term AICAR Administration and Exercise Prevents Diabetes in ZDF Rats. Diabetes, 2005, 54, 928-934.	0.3	197
53	AICAR stimulates adiponectin and inhibits cytokines in adipose tissue. Biochemical and Biophysical Research Communications, 2004, 316, 853-858.	1.0	105
54	Insulin increases glycolysis without further vasodilation in porcine coronary arteries exposed to hypoxia. Clinical Science, 2004, 107, 213-220.	1.8	3

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55	Effects of AICAR and exercise on insulin-stimulated glucose uptake, signaling, and GLUT-4 content in rat muscles. Journal of Applied Physiology, 2003, 94, 1373-1379.	1.2	153
56	Long-Term AICAR Administration Reduces Metabolic Disturbances and Lowers Blood Pressure in Rats Displaying Features of the Insulin Resistance Syndrome. Diabetes, 2002, 51, 2199-2206.	0.3	223
57	Optimizing Insulin Secretagogue Therapy in Patients With Type 2 Diabetes: A randomized double-blind study with repaglinide. Diabetes Care, 2002, 25, 342-346.	4.3	34
58	Insulin and Contraction Directly Stimulate UCP2 and UCP3 mRNA Expression in Rat Skeletal Muscle in Vitro. Biochemical and Biophysical Research Communications, 2001, 283, 19-25.	1.0	63
59	Increased circulating leptin concentrations in insulin-resistant first-degree relatives of patients with non-insulin-dependent diabetes mellitus: relationship to body composition and insulin sensitivity but not to family history of non-insulin-dependent diabetes mellitus. European Journal of Endocrinology, 1997, 136, 173-179.	1.9	47
60	Effect of Insulin on GLUT4 Cell Surface Content and Turnover Rate in Human Skeletal Muscle as Measured by the Exofacial Bis-Mannose Photolabeling Technique. Diabetes, 1997, 46, 1965-1969.	0.3	33
61	Membrane solubilization by detergent: use of brominated phospholipids to evaluate the detergent-induced changes in calcium-ATPase/lipid interaction. Biochemistry, 1989, 28, 2558-2567.	1.2	86