

# 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	Dissecting adipose tissue lipolysis: molecular regulation and implications for metabolic disease. <i>Journal of Molecular Endocrinology</i> , 2014, 52, R199-R222.	1.1	282
2	Long-Term AICAR Administration Reduces Metabolic Disturbances and Lowers Blood Pressure in Rats Displaying Features of the Insulin Resistance Syndrome. <i>Diabetes</i> , 2002, 51, 2199-2206.	0.3	223
3	Long-Term AICAR Administration and Exercise Prevents Diabetes in ZDF Rats. <i>Diabetes</i> , 2005, 54, 928-934.	0.3	197
4	Effects of AICAR and exercise on insulin-stimulated glucose uptake, signaling, and GLUT-4 content in rat muscles. <i>Journal of Applied Physiology</i> , 2003, 94, 1373-1379.	1.2	153
5	Probiotic treatment reduces depressive-like behaviour in rats independently of diet. <i>Psychoneuroendocrinology</i> , 2017, 79, 40-48.	1.3	149
6	Ghrelin Infusion in Humans Induces Acute Insulin Resistance and Lipolysis Independent of Growth Hormone Signaling. <i>Diabetes</i> , 2008, 57, 3205-3210.	0.3	138
7	Chronic Consumption of Farmed Salmon Containing Persistent Organic Pollutants Causes Insulin Resistance and Obesity in Mice. <i>PLoS ONE</i> , 2011, 6, e25170.	1.1	133
8	AICAR stimulates adiponectin and inhibits cytokines in adipose tissue. <i>Biochemical and Biophysical Research Communications</i> , 2004, 316, 853-858.	1.0	105
9	Membrane solubilization by detergent: use of brominated phospholipids to evaluate the detergent-induced changes in calcium-ATPase/lipid interaction. <i>Biochemistry</i> , 1989, 28, 2558-2567.	1.2	86
10	A high-fat diet exacerbates depressive-like behavior in the Flinders Sensitive Line (FSL) rat, a genetic model of depression. <i>Psychoneuroendocrinology</i> , 2011, 36, 623-633.	1.3	77
11	Metformin Induces Cardioprotection against Ischaemia/Reperfusion Injury in the Rat Heart 24 Hours after Administration. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2008, 103, 82-87.	1.2	75
12	GLUT4 and UBC9 Protein Expression Is Reduced in Muscle from Type 2 Diabetic Patients with Severe Insulin Resistance. <i>PLoS ONE</i> , 2011, 6, e27854.	1.1	74
13	Impact of exercise training on insulin sensitivity, physical fitness, and muscle oxidative capacity in first-degree relatives of type 2 diabetic patients. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006, 290, E998-E1005.	1.8	72
14	Fasting, But Not Exercise, Increases Adipose Triglyceride Lipase (ATGL) Protein and Reduces G(0)/G(1) Switch Gene 2 (GOS2) Protein and mRNA Content in Human Adipose Tissue. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011, 96, E1293-E1297.	1.8	68
15	The microbial metabolite indole-3-propionic acid improves glucose metabolism in rats, but does not affect behaviour. <i>Archives of Physiology and Biochemistry</i> , 2018, 124, 306-312.	1.0	67
16	Insulin and Contraction Directly Stimulate UCP2 and UCP3 mRNA Expression in Rat Skeletal Muscle in Vitro. <i>Biochemical and Biophysical Research Communications</i> , 2001, 283, 19-25.	1.0	63
17	Maternal High-fat Diet Programs Offspring Emotional Behavior in Adulthood. <i>Neuroscience</i> , 2018, 388, 87-101.	1.1	63
18	Dietary magnesium deficiency alters gut microbiota and leads to depressive-like behaviour. <i>Acta Neuropsychiatrica</i> , 2015, 27, 168-176.	1.0	61

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19	The anti-diabetic AMPK activator AICAR reduces IL-6 and IL-8 in human adipose tissue and skeletal muscle cells. <i>Molecular and Cellular Endocrinology</i> , 2008, 292, 36-41.	1.6	58
20	Growth Hormone Signaling in Vivo in Human Muscle and Adipose Tissue: Impact of Insulin, Substrate Background, and Growth Hormone Receptor Blockade. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008, 93, 2842-2850.	1.8	58
21	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. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2005, 288, E194-E199.	1.8	57
22	Inflammation Downregulates UCP1 Expression in Brown Adipocytes Potentially via SIRT1 and DBC1 Interaction. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1006.	1.8	54
23	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. <i>European Journal of Endocrinology</i> , 1997, 136, 173-179.	1.9	47
24	DNA methylation in epigenetic inheritance of metabolic diseases through the male germ line. <i>Journal of Molecular Endocrinology</i> , 2018, 60, R39-R56.	1.1	47
25	Grandmaternal high-fat diet primed anxiety-like behaviour in the second-generation female offspring. <i>Behavioural Brain Research</i> , 2019, 359, 47-55.	1.2	44
26	Probiotic treatment protects against the pro-depressant-like effect of high-fat diet in Flinders Sensitive Line rats. <i>Brain, Behavior, and Immunity</i> , 2017, 65, 33-42.	2.0	39
27	Gender-specific effect of physical training on AQP7 protein expression in human adipose tissue. <i>Acta Diabetologica</i> , 2012, 49, 215-226.	1.2	36
28	Optimizing Insulin Secretagogue Therapy in Patients With Type 2 Diabetes: A randomized double-blind study with repaglinide. <i>Diabetes Care</i> , 2002, 25, 342-346.	4.3	34
29	Effect of Insulin on GLUT4 Cell Surface Content and Turnover Rate in Human Skeletal Muscle as Measured by the Exofacial Bis-Mannose Photolabeling Technique. <i>Diabetes</i> , 1997, 46, 1965-1969.	0.3	33
30	Behavioral and systemic consequences of long-term inflammatory challenge. <i>Journal of Neuroimmunology</i> , 2015, 288, 40-46.	1.1	31
31	Treatment with an SSRI antidepressant restores hippocampo-hypothalamic corticosteroid feedback and reverses insulin resistance in low-birth-weight rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010, 298, E920-E929.	1.8	29
32	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. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, E1348-E1352.	1.8	27
33	Estrogen prevents increased hepatic aquaporin-9 expression and glycerol uptake during starvation. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 302, G365-G374.	1.6	27
34	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. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010, 95, E64-E68.	1.8	25
35	Isolation-induced behavioural changes in a genetic animal model of depression. <i>Behavioural Brain Research</i> , 2012, 230, 85-91.	1.2	24
36	Gene expression of the zinc transporter ZIP14 (SLC39a14) is affected by weight loss and metabolic status and associates with PPAR $\delta$ in human adipose tissue and 3T3-L1 pre-adipocytes. <i>BMC Obesity</i> , 2015, 2, 46.	3.1	23

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37	GLP-1 receptor agonists have a sustained stimulatory effect on corticosterone release after chronic treatment. <i>Acta Neuropsychiatrica</i> , 2015, 27, 25-32.	1.0	23
38	Effects of GH in human muscle and fat. <i>Pediatric Nephrology</i> , 2010, 25, 705-709.	0.9	22
39	Chronic high-fat diet increases acute neuroendocrine stress response independently of prenatal dexamethasone treatment in male rats. <i>Acta Neuropsychiatrica</i> , 2014, 26, 8-18.	1.0	22
40	LPS-Enhanced Glucose-Stimulated Insulin Secretion Is Normalized by Resveratrol. <i>PLoS ONE</i> , 2016, 11, e0146840.	1.1	22
41	The antidepressant-like effect of probiotics and their faecal abundance may be modulated by the cohabiting gut microbiota in rats. <i>European Neuropsychopharmacology</i> , 2019, 29, 98-110.	0.3	22
42	Free Fatty Acids Inhibit Growth Hormone/Signal Transducer and Activator of Transcription-5 Signaling in Human Muscle: A Potential Feedback Mechanism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009, 94, 2204-2207.	1.8	21
43	A robust method to screen detergents for membrane protein stabilization, revisited. <i>Analytical Biochemistry</i> , 2016, 511, 31-35.	1.1	18
44	Microarray expression analysis in delayed cardioprotection: the effect of exercise, AICAR, or metformin and the possible role of AMP-activated protein kinase (AMPK). <i>Molecular and Cellular Biochemistry</i> , 2012, 360, 353-362.	1.4	17
45	Effects of ambient temperature on glucose tolerance and insulin sensitivity test outcomes in normal and obese C57 male mice. <i>Physiological Reports</i> , 2015, 3, e12396.	0.7	17
46	5-Aminoimidazole-4-carboxamide-1- $\beta$ -D-ribofuranoside Increases Myocardial Glucose Uptake during Reperfusion and Induces Late Pre-conditioning: Potential Role of AMP-Activated Protein Kinase. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2009, 105, 10-16.	1.2	16
47	A diet-induced gut microbiota component and related plasma metabolites are associated with depressive-like behaviour in rats. <i>European Neuropsychopharmacology</i> , 2021, 43, 10-21.	0.3	16
48	Metabolic impacts of high dietary exposure to persistent organic pollutants in mice. <i>Toxicology Letters</i> , 2012, 215, 8-15.	0.4	15
49	Evaluation of the relationship between hyperinsulinaemia and myocardial ischaemia/reperfusion injury in a rat model of depression. <i>Clinical Science</i> , 2010, 118, 259-267.	1.8	14
50	Colonic motility in patients with type 1 diabetes and gastrointestinal symptoms. <i>Neurogastroenterology and Motility</i> , 2020, 32, e13948.	1.6	14
51	Chronic exposure to low doses of lipopolysaccharide and high-fat feeding increases body mass without affecting glucose tolerance in female rats. <i>Physiological Reports</i> , 2015, 3, e12584.	0.7	13
52	Impaired insulin action despite upregulation of proximal insulin signaling: Novel insights into skeletal muscle insulin resistance in liver cirrhosis. <i>Journal of Hepatology</i> , 2006, 45, 797-804.	1.8	11
53	Escitalopram Ameliorates Hypercortisolemia and Insulin Resistance in Low Birth Weight Men With Limbic Brain Alterations. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 115-124.	1.8	10
54	Chronic lipopolysaccharide infusion fails to induce depressive-like behaviour in adult male rats. <i>Acta Neuropsychiatrica</i> , 2015, 27, 189-194.	1.0	9

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55	Enteric cholinergic neuropathy in patients with diabetes: Non-invasive assessment with positron emission tomography. <i>Neurogastroenterology and Motility</i> , 2020, 32, e13731.	1.6	8
56	Slow Phospholipid Exchange between a Detergent-Solubilized Membrane Protein and Lipid-Detergent Mixed Micelles: Brominated Phospholipids as Tools to Follow Its Kinetics. <i>PLoS ONE</i> , 2017, 12, e0170481.	1.1	7
57	Gastric Emptying Time and Volume of the Small Intestine as Objective Markers in Patients With Symptoms of Diabetic Enteropathy. <i>Journal of Neurogastroenterology and Motility</i> , 2021, 27, 390-399.	0.8	7
58	Lot variation and inter-device differences contribute to poor analytical performance of the DCA Vantage, HbA <sub>1c</sub> POCT instrument in a true clinical setting. <i>Clinical Chemistry and Laboratory Medicine</i> , 2022, 60, 127-134.	1.4	5
59	Insulin increases glycolysis without further vasodilation in porcine coronary arteries exposed to hypoxia. <i>Clinical Science</i> , 2004, 107, 213-220.	1.8	3
60	Muscle GLUT4 in cirrhosis. <i>Journal of Hepatology</i> , 2007, 47, 212-219.	1.8	3
61	Gender specific regulation of hepatic aquaporin-9 and glycerol kinase expression in starved rats. <i>FASEB Journal</i> , 2011, 25, 1117.4.	0.2	0