

# Fredrik H Nystrom

## 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.

86  
papers

2,448  
citations

28  
h-index

47  
g-index

91  
ext. papers

2,834  
ext. citations

4.8  
avg, IF

4.62  
L-index

#	Paper	IF	Citations
86	Insulin signalling: metabolic pathways and mechanisms for specificity. <i>Cellular Signalling</i> , <b>1999</b> , 11, 563-74	4.9	162
85	Caveolin-1 interacts with the insulin receptor and can differentially modulate insulin signaling in transfected Cos-7 cells and rat adipose cells. <i>Molecular Endocrinology</i> , <b>1999</b> , 13, 2013-24		160
84	Lipids and glycosphingolipids in caveolae and surrounding plasma membrane of primary rat adipocytes. <i>FEBS Journal</i> , <b>2004</b> , 271, 2028-36		112
83	Cell surface orifices of caveolae and localization of caveolin to the necks of caveolae in adipocytes. <i>Molecular Biology of the Cell</i> , <b>2003</b> , 14, 3967-76	3.5	111
82	Triacylglycerol is synthesized in a specific subclass of caveolae in primary adipocytes. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 5-8	5.4	110
81	Retinol-binding protein-4 attenuates insulin-induced phosphorylation of IRS1 and ERK1/2 in primary human adipocytes. <i>FASEB Journal</i> , <b>2007</b> , 21, 3696-704	0.9	106
80	Regulation of the fibrosis and angiogenesis promoter SPARC/osteonectin in human adipose tissue by weight change, leptin, insulin, and glucose. <i>Diabetes</i> , <b>2009</b> , 58, 1780-8	0.9	86
79	Ethyl glucuronide in human hair after daily consumption of 16 or 32 g of ethanol for 3 months. <i>Forensic Science International</i> , <b>2012</b> , 215, 51-5	2.6	75
78	Colocalization of insulin receptor and insulin receptor substrate-1 to caveolae in primary human adipocytes. Cholesterol depletion blocks insulin signalling for metabolic and mitogenic control. <i>FEBS Journal</i> , <b>2004</b> , 271, 2471-9		72
77	Angiotensin type 1 receptor antagonists induce human in-vitro adipogenesis through peroxisome proliferator-activated receptor-gamma activation. <i>Journal of Hypertension</i> , <b>2006</b> , 24, 1809-16	1.9	71
76	Attenuation of insulin-stimulated insulin receptor substrate-1 serine 307 phosphorylation in insulin resistance of type 2 diabetes. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 34389-92	5.4	63
75	Insulin resistance in human adipocytes occurs downstream of IRS1 after surgical cell isolation but at the level of phosphorylation of IRS1 in type 2 diabetes. <i>FEBS Journal</i> , <b>2005</b> , 272, 141-51	5.7	61
74	Phosphatidylethanol Compared with Other Blood Tests as a Biomarker of Moderate Alcohol Consumption in Healthy Volunteers: A Prospective Randomized Study. <i>Alcohol and Alcoholism</i> , <b>2015</b> , 50, 399-406	3.5	59
73	A hierarchical whole-body modeling approach elucidates the link between in Vitro insulin signaling and in Vivo glucose homeostasis. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 26028-41	5.4	59
72	Identification of adipocyte genes regulated by caloric intake. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2011</b> , 96, E413-8	5.6	57
71	PPAR-gamma response element activity in intact primary human adipocytes: effects of fatty acids. <i>Nutrition</i> , <b>2006</b> , 22, 60-8	4.8	52
70	Association of soluble tumor necrosis factor receptors 1 and 2 with nephropathy, cardiovascular events, and total mortality in type 2 diabetes. <i>Cardiovascular Diabetology</i> , <b>2016</b> , 15, 40	8.7	50

69	Advice to follow a low-carbohydrate diet has a favourable impact on low-grade inflammation in type 2 diabetes compared with advice to follow a low-fat diet. <i>Annals of Medicine</i> , <b>2014</b> , 46, 182-7	1.5	49
68	Population-based reference values for IGF-I and IGF-binding protein-1: relations with metabolic and anthropometric variables. <i>European Journal of Endocrinology</i> , <b>1997</b> , 136, 165-72	6.5	47
67	Two weeks of overfeeding with candy, but not peanuts, increases insulin levels and body weight. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , <b>2009</b> , 69, 598-605	2	46
66	Separation and characterization of caveolae subclasses in the plasma membrane of primary adipocytes; segregation of specific proteins and functions. <i>FEBS Journal</i> , <b>2006</b> , 273, 3381-92	5.7	45
65	Effects of moderate red wine consumption on liver fat and blood lipids: a prospective randomized study. <i>Annals of Medicine</i> , <b>2011</b> , 43, 545-54	1.5	38
64	Reduced arteriovenous shunting capacity after local heating and redistribution of baseline skin blood flow in type 2 diabetes assessed with velocity-resolved quantitative laser Doppler flowmetry. <i>Diabetes</i> , <b>2010</b> , 59, 1578-84	0.9	35
63	Left ventricular diastolic function, assessed by echocardiography and tissue Doppler imaging, is a strong predictor of cardiovascular events, superior to global left ventricular longitudinal strain, in patients with type 2 diabetes. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2015</b> , 16, 1000-7	4.1	34
62	Sagittal abdominal diameter is a more independent measure compared with waist circumference to predict arterial stiffness in subjects with type 2 diabetes--a prospective observational cohort study. <i>Cardiovascular Diabetology</i> , <b>2013</b> , 12, 55	8.7	33
61	Insulin stimulates increased catalytic activity of phosphoinositide-dependent kinase-1 by a phosphorylation-dependent mechanism. <i>Biochemistry</i> , <b>2001</b> , 40, 11851-9	3.2	31
60	Overweight and obesity impair left ventricular systolic function as measured by left ventricular ejection fraction and global longitudinal strain. <i>Cardiovascular Diabetology</i> , <b>2018</b> , 17, 113	8.7	30
59	Multiplex proteomics for prediction of major cardiovascular events in type 2 diabetes. <i>Diabetologia</i> , <b>2018</b> , 61, 1748-1757	10.3	28
58	Men develop more intraabdominal obesity and signs of the metabolic syndrome after hyperalimentation than women. <i>Metabolism: Clinical and Experimental</i> , <b>2009</b> , 58, 995-1001	12.7	27
57	Comparisons of automated blood pressures in a primary health care setting with self-measurements at the office and at home using the Omron i-C10 device. <i>Blood Pressure Monitoring</i> , <b>2015</b> , 20, 98-103	1.3	26
56	Short-term overeating induces insulin resistance in fat cells in lean human subjects. <i>Molecular Medicine</i> , <b>2009</b> , 15, 228-34	6.2	25
55	A Randomized Study of the Effects of Additional Fruit and Nuts Consumption on Hepatic Fat Content, Cardiovascular Risk Factors and Basal Metabolic Rate. <i>PLoS ONE</i> , <b>2016</b> , 11, e0147149	3.7	25
54	Expression of a mutant IRS inhibits metabolic and mitogenic signalling of insulin in human adipocytes. <i>Molecular and Cellular Endocrinology</i> , <b>2004</b> , 221, 1-8	4.4	21
53	Skin microvascular endothelial dysfunction is associated with type 2 diabetes independently of microalbuminuria and arterial stiffness. <i>Diabetes and Vascular Disease Research</i> , <b>2017</b> , 14, 363-371	3.3	20
52	Toe brachial index in middle aged patients with diabetes mellitus type 2: not just a peripheral issue. <i>Diabetes Research and Clinical Practice</i> , <b>2013</b> , 100, 195-202	7.4	20

51	A randomized trial of cold-exposure on energy expenditure and supraclavicular brown adipose tissue volume in humans. <i>Metabolism: Clinical and Experimental</i> , <b>2016</b> , 65, 926-34	12.7	20
50	Serum leptin levels are independently related to the incidence of ischemic heart disease in a prospective study of patients with type 2 diabetes. <i>Cardiovascular Diabetology</i> , <b>2015</b> , 14, 62	8.7	18
49	Circadian blood pressure variation in patients with type 2 diabetes--relationship to macro- and microvascular subclinical organ damage. <i>Primary Care Diabetes</i> , <b>2011</b> , 5, 167-73	2.4	18
48	Association between admission supine systolic blood pressure and 1-year mortality in patients admitted to the intensive care unit for acute chest pain. <i>JAMA - Journal of the American Medical Association</i> , <b>2010</b> , 303, 1167-72	27.4	18
47	Aortic pulse wave velocity predicts incident cardiovascular events in patients with type 2 diabetes treated in primary care. <i>Journal of Diabetes and Its Complications</i> , <b>2016</b> , 30, 1223-8	3.2	18
46	Effects of exercise with or without blueberries in the diet on cardio-metabolic risk factors: an exploratory pilot study in healthy subjects. <i>Uppsala Journal of Medical Sciences</i> , <b>2013</b> , 118, 247-55	2.8	17
45	Diastolic orthostatic hypertension and cardiovascular prognosis in type 2 diabetes: a prospective cohort study. <i>Cardiovascular Diabetology</i> , <b>2016</b> , 15, 83	8.7	17
44	Prevalence of Subclinical Coronary Artery Atherosclerosis in the General Population. <i>Circulation</i> , <b>2021</b> , 144, 916-929	16.7	17
43	Phosphorylation of IRS1 at serine 307 and serine 312 in response to insulin in human adipocytes. <i>Biochemical and Biophysical Research Communications</i> , <b>2006</b> , 342, 1183-7	3.4	16
42	Growth differentiation factor 15 (GDF-15) is a potential biomarker of both diabetic kidney disease and future cardiovascular events in cohorts of individuals with type 2 diabetes: a proteomics approach. <i>Uppsala Journal of Medical Sciences</i> , <b>2020</b> , 125, 37-43	2.8	15
41	Weight gain by hyperalimentation elevates C-reactive protein levels but does not affect circulating levels of adiponectin or resistin in healthy subjects. <i>European Journal of Endocrinology</i> , <b>2010</b> , 163, 879-85	6.5	14
40	Ambulatory systolic blood pressure predicts left ventricular mass in type 2 diabetes, independent of central systolic blood pressure. <i>Blood Pressure Monitoring</i> , <b>2012</b> , 17, 139-44	1.3	14
39	Glucose transport is equally sensitive to insulin stimulation, but basal and insulin-stimulated transport is higher, in human omental compared with subcutaneous adipocytes. <i>Metabolism: Clinical and Experimental</i> , <b>2005</b> , 54, 781-5	12.7	14
38	Subcutaneous adipocytes from obese hyperinsulinemic women with polycystic ovary syndrome exhibit normal insulin sensitivity but reduced maximal insulin responsiveness. <i>European Journal of Endocrinology</i> , <b>2005</b> , 153, 831-5	6.5	13
37	Microdialysis and proteomics of subcutaneous interstitial fluid reveals increased galectin-1 in type 2 diabetes patients. <i>Metabolism: Clinical and Experimental</i> , <b>2016</b> , 65, 998-1006	12.7	13
36	Microcirculation assessment using an individualized model for diffuse reflectance spectroscopy and conventional laser Doppler flowmetry. <i>Journal of Biomedical Optics</i> , <b>2014</b> , 19, 057002	3.5	12
35	A randomized cross-over trial of the postprandial effects of three different diets in patients with type 2 diabetes. <i>PLoS ONE</i> , <b>2013</b> , 8, e79324	3.7	12
34	Predictors of improvement in arrhythmia-specific symptoms and health-related quality of life after catheter ablation of atrial fibrillation. <i>Clinical Cardiology</i> , <b>2019</b> , 42, 247-255	3.3	11

33	Long-term increase of fat mass after a four week intervention with fast food based hyper-alimentation and limitation of physical activity. <i>Nutrition and Metabolism</i> , <b>2010</b> , 7, 68	4.6	10
32	Human, but not rat, IRS1 targets to the plasma membrane in both human and rat adipocytes. <i>Biochemical and Biophysical Research Communications</i> , <b>2007</b> , 363, 840-5	3.4	10
31	A prospective observational study of all-cause mortality in relation to serum 25-OH vitamin D3 and parathyroid hormone levels in patients with type 2 diabetes. <i>Diabetology and Metabolic Syndrome</i> , <b>2015</b> , 7, 53	5.6	9
30	Expression of GHR and Downstream Signaling Genes in Human Adipose Tissue-Relation to Obesity and Weight Change. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2019</b> , 104, 1459-1470	5.6	8
29	An obesity provoking behaviour negatively influences young normal weight subjects health related quality of life and causes depressive symptoms. <i>Eating Behaviors</i> , <b>2010</b> , 11, 247-52	3	7
28	A randomized cross-over study of the effects of macronutrient composition and meal frequency on GLP-1, ghrelin and energy expenditure in humans. <i>Peptides</i> , <b>2017</b> , 93, 20-26	3.8	6
27	A randomized cross-over study of the acute effects of running 5 km on glucose, insulin, metabolic rate, cortisol and Troponin T. <i>PLoS ONE</i> , <b>2017</b> , 12, e0179401	3.7	6
26	Doubling of water intake increases daytime blood pressure and reduces vertigo in healthy subjects. <i>Clinical and Experimental Hypertension</i> , <b>2010</b> , 32, 439-43	2.2	6
25	A randomized trial of protein supplementation compared with extra fast food on the effects of resistance training to increase metabolism. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , <b>2012</b> , 72, 471-8	2	5
24	Transient increase in HDL-cholesterol during weight gain by hyperalimentation in healthy subjects. <i>Obesity</i> , <b>2011</b> , 19, 812-7	8	5
23	Cardiovascular risk factors related to the PPAR $\alpha$ Pro12Ala polymorphism in patients with type 2 diabetes are gender dependent. <i>Blood Pressure</i> , <b>2012</b> , 21, 122-7	1.7	5
22	Individualized growth hormone substitution with normalized IGF-I levels does not stimulate the renin-angiotensin-aldosterone system. <i>Clinical Endocrinology</i> , <b>2002</b> , 57, 473-9	3.4	5
21	The association between alcohol consumption, cardiac biomarkers, left atrial size and re-ablation in patients with atrial fibrillation referred for catheter ablation. <i>PLoS ONE</i> , <b>2019</b> , 14, e0215121	3.7	4
20	A randomised study in young subjects of the effects of eating extra fruit or nuts on periodontal inflammation. <i>BDJ Open</i> , <b>2018</b> , 4, 17022	3.3	4
19	Young healthy individuals develop lack of energy when adopting an obesity provoking behaviour for 4 weeks: a phenomenological analysis. <i>Scandinavian Journal of Caring Sciences</i> , <b>2010</b> , 24, 565-71	2.3	4
18	Plasma Protein Profile of Carotid Artery Atherosclerosis and Atherosclerotic Outcomes: Meta-Analyses and Mendelian Randomization Analyses. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2021</b> , 41, 1777-1788	9.4	4
17	Comparison of the subjective sense of high or low metabolism and objectively measured resting metabolic rate. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , <b>2010</b> , 70, 334-7	2	3
16	The association between plasma proteomics and incident cardiovascular disease identifies MMP-12 as a promising cardiovascular risk marker in patients with chronic kidney disease. <i>Atherosclerosis</i> , <b>2020</b> , 307, 11-15	3.1	3

15	Relationships between cardiovascular risk factors and white-coat hypertension diagnosed by home blood pressure recordings in a middle-aged population. <i>Journal of Hypertension</i> , <b>2021</b> , 39, 2009-2014	1.9	3
14	Associations of genetic polymorphisms in the renin-angiotensin system with central aortic and ambulatory blood pressure in type 2 diabetic patients. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , <b>2014</b> , 15, 61-8	3	2
13	Is there an underestimation of intima-media thickness based on M-mode ultrasound technique in the abdominal aorta?. <i>Clinical Physiology and Functional Imaging</i> , <b>2012</b> , 32, 1-4	2.4	2
12	The effect of percutaneous dilatation of renal arterial stenosis on captopril renography in hypertension. <i>Blood Pressure</i> , <b>2005</b> , 14, 359-65	1.7	2
11	Less difference between office and ambulatory blood pressure in women than in men both before and during antihypertensive treatment. <i>Blood Pressure</i> , <b>2000</b> , 9, 340-5	1.7	2
10	A Pilot Study of Perioperative External Circumferential Cryoablation of Human Renal Arteries for Sympathetic Denervation. <i>Vascular Specialist International</i> , <b>2020</b> , 36, 151-157	1	2
9	Weight gain and blood pressure. <i>Journal of Hypertension</i> , <b>2020</b> , 38, 387-394	1.9	2
8	The association between circulating endostatin and a disturbed circadian blood pressure pattern in patients with type 2 diabetes. <i>Blood Pressure</i> , <b>2018</b> , 27, 215-221	1.7	1
7	A pilot study of hypertension management using a telemedicine treatment approach. <i>Blood Pressure Monitoring</i> , <b>2020</b> , 25, 18-21	1.3	1
6	Plasma mid-regional pro-atrial natriuretic peptide predicts cardiovascular events in patients with type 2 diabetes independently of subclinical organ damage. <i>Diabetes Research and Clinical Practice</i> , <b>2021</b> , 182, 109095	7.4	0
5	Is there an association between serum 25(OH)D and mental well-being in patients with type 2 diabetes? Results from a cohort study in primary care. <i>Hormones</i> , <b>2020</b> , 19, 361-367	3.1	
4	Circulating TNF $\alpha$ levels predict incidence of ischemic heart disease and total mortality, independently of intima media thickness and pulse wave velocity in male with type 2 diabetes. <i>Heart and Vessels</i> , <b>2021</b> , 36, 1591-1596	2.1	
3	Subjects with high fasting insulin also have higher postprandial GLP-1 and glucagon levels than controls with lower insulin. <i>Nutrition Research</i> , <b>2019</b> , 72, 111-120	4	
2	Education of the primary health care staff based on acceptance and commitment therapy is associated with reduced sick leave in a prospective controlled trial. <i>BMC Family Practice</i> , <b>2021</b> , 22, 179	2.6	
1	A cross-over study of postprandial effects from moist snuff and red wine on metabolic rate, appetite-related hormones and glucose.. <i>Drug and Alcohol Dependence</i> , <b>2022</b> , 236, 109479	4.9	