

# Claes-Göran Å-stenson

## List of Publications by Year in descending order

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90  
papers

4,139  
citations

172457

29  
h-index

118850

62  
g-index

90  
all docs

90  
docs citations

90  
times ranked

6772  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of long-term exposure to air pollution on natural-cause mortality: an analysis of 22 European cohorts within the multicentre ESCAPE project. <i>Lancet</i> , The, 2014, 383, 785-795.	13.7	1,077
2	Genetic analysis of non-insulin dependent diabetes mellitus in the GK rat. <i>Nature Genetics</i> , 1996, 12, 31-37.	21.4	257
3	Impaired Gene and Protein Expression of Exocytotic Soluble N-Ethylmaleimide Attachment Protein Receptor Complex Proteins in Pancreatic Islets of Type 2 Diabetic Patients. <i>Diabetes</i> , 2006, 55, 435-440.	0.6	206
4	Long-term exposure to ambient air pollution and traffic noise and incident hypertension in seven cohorts of the European study of cohorts for air pollution effects (ESCAPE). <i>European Heart Journal</i> , 2017, 38, ehw413.	2.2	128
5	Isolation and characterization of porcine diazepam-binding inhibitor, a polypeptide not only of cerebral occurrence but also common in intestinal tissues and with effects on regulation of insulin release. <i>FEBS Journal</i> , 1988, 174, 239-244.	0.2	127
6	Long-term exposure to elemental constituents of particulate matter and cardiovascular mortality in 19 European cohorts: Results from the ESCAPE and TRANSPHORM projects. <i>Environment International</i> , 2014, 66, 97-106.	10.0	127
7	Erythrocytes From Patients With Type 2 Diabetes Induce Endothelial Dysfunction Via Arginase I. <i>Journal of the American College of Cardiology</i> , 2018, 72, 769-780.	2.8	123
8	ARA 290, a Nonerythropoietic Peptide Engineered from Erythropoietin, Improves Metabolic Control and Neuropathic Symptoms in Patients with Type 2 Diabetes. <i>Molecular Medicine</i> , 2014, 20, 658-666.	4.4	115
9	Isoforms of endoplasmic reticulum Ca <sup>2+</sup> -ATPase are differentially expressed in normal and diabetic islets of Langerhans. <i>Biochemical Journal</i> , 1996, 319, 521-527.	3.7	114
10	Long-Term Exposure to Ambient Air Pollution and Incidence of Postmenopausal Breast Cancer in 15 European Cohorts within the ESCAPE Project. <i>Environmental Health Perspectives</i> , 2017, 125, 107005.	6.0	104
11	Ciliary dysfunction impairs beta-cell insulin secretion and promotes development of type 2 diabetes in rodents. <i>Nature Communications</i> , 2014, 5, 5308.	12.8	102
12	Exposure to traffic noise and markers of obesity. <i>Occupational and Environmental Medicine</i> , 2015, 72, 594-601.	2.8	98
13	Long-term exposure to ambient air pollution and incidence of brain tumor: the European Study of Cohorts for Air Pollution Effects (ESCAPE). <i>Neuro-Oncology</i> , 2018, 20, 420-432.	1.2	66
14	Long-Term Exposure to Transportation Noise in Relation to Development of Obesity—a Cohort Study. <i>Environmental Health Perspectives</i> , 2017, 125, 117005.	6.0	63
15	<sc>IGFBP</sc>1 increases $\beta$ cell regeneration by promoting $\beta$ to $\alpha$ cell transdifferentiation. <i>EMBO Journal</i> , 2016, 35, 2026-2044.	7.8	62
16	Arginase Inhibition Improves Microvascular Endothelial Function in Patients With Type 2 Diabetes Mellitus. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 3952-3958.	3.6	60
17	Particulate matter air pollution components and incidence of cancers of the stomach and the upper aerodigestive tract in the European Study of Cohorts of Air Pollution Effects (ESCAPE). <i>Environment International</i> , 2018, 120, 163-171.	10.0	56
18	Traffic-related air pollution exposure and incidence of stroke in four cohorts from Stockholm. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2015, 25, 517-523.	3.9	49

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19	No Effect of High-Dose Vitamin D Treatment on $\beta$ -Cell Function, Insulin Sensitivity, or Glucose Homeostasis in Subjects With Abnormal Glucose Tolerance: A Randomized Clinical Trial. <i>Diabetes Care</i> , 2016, 39, 345-352.	8.6	48
20	Outdoor air pollution and risk for kidney parenchyma cancer in 14 European cohorts. <i>International Journal of Cancer</i> , 2017, 140, 1528-1537.	5.1	44
21	Increased DNA methylation of the SLC30A8 gene promoter is associated with type 2 diabetes in a Malay population. <i>Clinical Epigenetics</i> , 2015, 7, 30.	4.1	43
22	Long-term transportation noise exposure and incidence of ischaemic heart disease and stroke: a cohort study. <i>Occupational and Environmental Medicine</i> , 2019, 76, 201-207.	2.8	43
23	Type 2 diabetes impairs odour detection, olfactory memory and olfactory neuroplasticity; effects partly reversed by the DPP-4 inhibitor Linagliptin. <i>Acta Neuropathologica Communications</i> , 2018, 6, 14.	5.2	37
24	App-technology to increase physical activity among patients with diabetes type 2 - the DiaCert-study, a randomized controlled trial. <i>BMC Public Health</i> , 2018, 18, 119.	2.9	37
25	Is There an Association Between Ambient Air Pollution and Bladder Cancer Incidence? Analysis of 15 European Cohorts. <i>European Urology Focus</i> , 2018, 4, 113-120.	3.1	33
26	Diabetes self-management in three different income settings: Cross-learning of barriers and opportunities. <i>PLoS ONE</i> , 2019, 14, e0213530.	2.5	33
27	Treatment with a $\beta$ -2-adrenoceptor agonist stimulates glucose uptake in skeletal muscle and improves glucose homeostasis, insulin resistance and hepatic steatosis in mice with diet-induced obesity. <i>Diabetologia</i> , 2020, 63, 1603-1615.	6.3	33
28	High consumption of smokeless tobacco (â€œsnusâ€œ) predicts increased risk of type 2 diabetes in a 10-year prospective study of middle-aged Swedish men. <i>Scandinavian Journal of Public Health</i> , 2012, 40, 730-737.	2.3	32
29	Comparison of fasting plasma glucose and haemoglobin A1c point-of-care tests in screening for diabetes and abnormal glucose regulation in a rural low income setting. <i>Diabetes Research and Clinical Practice</i> , 2014, 104, 112-120.	2.8	32
30	Oral administration of soybean peptide Vglycin normalizes fasting glucose and restores impaired pancreatic function in Type 2 diabetic Wistar rats. <i>Journal of Nutritional Biochemistry</i> , 2014, 25, 954-963.	4.2	32
31	Pancreastatin-Like Immunoreactivity and Insulin are Released in Parallel from the Perfused Porcine Pancreas. <i>Endocrinology</i> , 1989, 124, 2986-2990.	2.8	31
32	Transportation noise and incidence of hypertension. <i>International Journal of Hygiene and Environmental Health</i> , 2018, 221, 1133-1141.	4.3	29
33	Serum resistance in <i>Escherichia coli</i> strains causing acute pyelonephritis and bacteraemia. <i>Apmis</i> , 1992, 100, 147-153.	2.0	27
34	The glutathione levels are reduced in Goto-Kakizaki rat retina, but are not influenced by aminoguanidine treatment. <i>Current Eye Research</i> , 1998, 17, 251-256.	1.5	27
35	Social network and development of prediabetes and type 2 diabetes in middle-aged Swedish women and men. <i>Diabetes Research and Clinical Practice</i> , 2015, 107, 166-177.	2.8	27
36	Evaluation of Antidiabetic Effects of the Traditional Medicinal Plant <i>Gynostemma pentaphyllum</i> and the Possible Mechanisms of Insulin Release. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-7.	1.2	23

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37	Study protocol for the SMART2D adaptive implementation trial: a cluster randomised trial comparing facility-only care with integrated facility and community care to improve type 2 diabetes outcomes in Uganda, South Africa and Sweden. <i>BMJ Open</i> , 2018, 8, e019981.	1.9	23
38	Patient and Provider Dilemmas of Type 2 Diabetes Self-Management: A Qualitative Study in Socioeconomically Disadvantaged Communities in Stockholm. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1810.	2.6	23
39	Type 2 diabetes-induced neuronal pathology in the piriform cortex of the rat is reversed by the GLP-1 receptor agonist exendin-4. <i>Oncotarget</i> , 2016, 7, 5865-5876.	1.8	23
40	Economic and social impact of diabetes mellitus in a low-income country: a case-control study in Sudan. <i>Journal of Diabetes</i> , 2017, 9, 1082-1090.	1.8	22
41	App-technology to improve lifestyle behaviors among working adults - the Health Integrator study, a randomized controlled trial. <i>BMC Public Health</i> , 2019, 19, 273.	2.9	22
42	Oral Delivery of Pentameric Glucagon-Like Peptide-1 by Recombinant Lactobacillus in Diabetic Rats. <i>PLoS ONE</i> , 2016, 11, e0162733.	2.5	22
43	Machine learning for prediction of diabetes risk in middle-aged Swedish people. <i>Heliyon</i> , 2021, 7, e07419.	3.2	21
44	Characterization of Dopuin, a Polypeptide with Special Residue Distributions. <i>FEBS Journal</i> , 1997, 249, 518-522.	0.2	20
45	Cell-Penetrating Mimics of Agonist-Activated G-Protein Coupled Receptors. <i>International Journal of Peptide Research and Therapeutics</i> , 2005, 11, 237-247.	1.9	20
46	Mood Stabilizers and the Influence on Global Leukocyte DNA Methylation in Bipolar Disorder. <i>Molecular Neuropsychiatry</i> , 2015, 1, 76-81.	2.9	20
47	Diabetes negatively affects cortical and striatal GABAergic neurons: an effect that is partially counteracted by exendin-4. <i>Bioscience Reports</i> , 2016, 36, .	2.4	20
48	Lupinus mutabilis Extract Exerts an Anti-Diabetic Effect by Improving Insulin Release in Type 2 Diabetic Goto-Kakizaki Rats. <i>Nutrients</i> , 2018, 10, 933.	4.1	19
49	Extract of Clinopodium bolivianum protects against E. coli invasion of uroepithelial cells. <i>Journal of Ethnopharmacology</i> , 2017, 198, 214-220.	4.1	17
50	Munc18b Increases Insulin Granule Fusion, Restoring Deficient Insulin Secretion in Type-2 Diabetes Human and Goto-Kakizaki Rat Islets with Improvement in Glucose Homeostasis. <i>EBioMedicine</i> , 2017, 16, 262-274.	6.1	17
51	Genetic, epigenetic and protein analyses of intercellular adhesion molecule 1 in Malaysian subjects with type 2 diabetes and diabetic nephropathy. <i>Journal of Diabetes and Its Complications</i> , 2015, 29, 1234-1239.	2.3	16
52	Amaranthus caudatus Stimulates Insulin Secretion in Goto-Kakizaki Rats, a Model of Diabetes Mellitus Type 2. <i>Nutrients</i> , 2018, 10, 94.	4.1	16
53	Effects of Palmitate on Insulin Secretion and Exocytotic Proteins in Islets of Diabetic Goto-Kakizaki Rats. <i>Pancreas</i> , 2007, 34, 359-363.	1.1	15
54	The Soybean Peptide Vglycin Preserves the Diabetic $\beta$ -cells through Improvement of Proliferation and Inhibition of Apoptosis. <i>Scientific Reports</i> , 2015, 5, 15599.	3.3	15

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55	Altered Purinergic Receptor Sensitivity in Type 2 Diabetes-Associated Endothelial Dysfunction and Up4A-Mediated Vascular Contraction. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3942.	4.1	15
56	Compromised Neurotrophic and Angiogenic Regenerative Capability during Tendon Healing in a Rat Model of Type-II Diabetes. <i>PLoS ONE</i> , 2017, 12, e0170748.	2.5	15
57	Soluble CD93 Is Involved in Metabolic Dysregulation but Does Not Influence Carotid Intima-Media Thickness. <i>Diabetes</i> , 2016, 65, 2888-2899.	0.6	14
58	In vitro effects of bis(1,2-dimethyl-3-hydroxy-4-pyridinonato)oxidovanadium(IV), or VO(dmpp)2, on insulin secretion in pancreatic islets of type 2 diabetic Goto-Kakizaki rats. <i>Journal of Inorganic Biochemistry</i> , 2016, 154, 29-34.	3.5	13
59	Using a cross-contextual reciprocal learning approach in a multisite implementation research project to improve self-management for type 2 diabetes. <i>BMJ Global Health</i> , 2018, 3, e001068.	4.7	13
60	A porcine gut polypeptide identical to the pancreatic hormone PP (pancreatic polypeptide). <i>FEBS Letters</i> , 1994, 341, 239-243.	2.8	12
61	Early detection of type 2 diabetes in socioeconomically disadvantaged areas in Stockholm “ comparing reach of community and facility-based screening. <i>Global Health Action</i> , 2020, 13, 1795439.	1.9	12
62	<i>Amaranthus caudatus</i> extract inhibits the invasion of <i>E. coli</i> into uroepithelial cells. <i>Journal of Ethnopharmacology</i> , 2018, 220, 155-158.	4.1	11
63	ARA290 Improves Insulin Release and Glucose Tolerance in Type 2 Diabetic Goto-Kakizaki Rats. <i>Molecular Medicine</i> , 2015, 21, 969-978.	4.4	10
64	Type 2 diabetes alters hippocampal gamma oscillations: A potential mechanism behind impaired cognition. <i>Psychoneuroendocrinology</i> , 2017, 82, 46-50.	2.7	10
65	Profiling and activity screening of Dammarane-type triterpen saponins from <i>Gynostemma pentaphyllum</i> with glucose-dependent insulin secretory activity. <i>Scientific Reports</i> , 2019, 9, 627.	3.3	10
66	Meal intake increases circulating procoagulant microparticles in patients with type 1 and type 2 diabetes mellitus. <i>Platelets</i> , 2019, 30, 348-355.	2.3	10
67	Development of Decreased Insulin-Induced Glucose Transport in Skeletal Muscle of Glucose-Intolerant Hybrids of Diabetic GK Rats. <i>Clinical Science</i> , 1995, 88, 301-306.	4.3	9
68	Meal-induced platelet activation in diabetes mellitus type 1 or type 2 is related to postprandial insulin rather than glucose levels. <i>Thrombosis Research</i> , 2016, 141, 93-97.	1.7	9
69	Signaling and sites of interaction for RX-871024 and sulfonylurea in the stimulation of insulin release. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1998, 274, E751-E757.	3.5	8
70	Treatment outcomes after initiation of exenatide twice daily or insulin in clinical practice: 12-month results from CHOICE in six European countries. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2013, 6, 171.	2.4	6
71	Diabetes and glucose disturbances in patients with psychosis in Sweden. <i>BMJ Open Diabetes Research and Care</i> , 2015, 3, e000120.	2.8	6
72	Noninvasive in vivo Assessment of the Reendothelialization Process Using Ultrasound Biomicroscopy in the Rat Carotid Artery Balloon Injury Model. <i>Journal of Ultrasound in Medicine</i> , 2019, 38, 1723-1731.	1.7	6

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73	An endogenous peptide isolated from the gut, NK-lysin, stimulates insulin secretion without changes in cytosolic free Ca <sup>2+</sup> concentration. <i>FEBS Letters</i> , 1998, 439, 267-270.	2.8	5
74	Plasma GDF15 level is elevated in psychosis and inversely correlated with severity. <i>Scientific Reports</i> , 2017, 7, 7906.	3.3	5
75	What's the Name of the Game? The Impact of eHealth on Productive Interactions in Chronic Care Management. <i>Sustainability</i> , 2021, 13, 5221.	3.2	5
76	No Impact of Vitamin D on the CYP3A Biomarker 4 $\beta$ -Hydroxycholesterol in Patients with Abnormal Glucose Regulation. <i>PLoS ONE</i> , 2015, 10, e0121984.	2.5	5
77	Expression of Protein Kinase C Isoforms in Pancreatic Islets and Liver of Male Goto-Kakizaki Rats, a Model of Type 2 Diabetes. <i>PLoS ONE</i> , 2015, 10, e0135781.	2.5	4
78	Lupinus mutabilis Edible Beans Protect against Bacterial Infection in Uroepithelial Cells. Evidence-based Complementary and Alternative Medicine, 2018, 2018, 1-8.	1.2	4
79	“I Did Not Believe You Could Get Better” Reversal of Diabetes Risk Through Dietary Changes in Older Persons with Prediabetes in Region Stockholm. <i>Nutrients</i> , 2019, 11, 2658.	4.1	4
80	Improvement of Islet Allograft Function Using Cibinetide, an Innate Repair Receptor Ligand. <i>Transplantation</i> , 2020, 104, 2048-2058.	1.0	4
81	HIF-1 mediated activation of antimicrobial peptide LL-37 in type 2 diabetic patients. <i>Journal of Molecular Medicine</i> , 2022, 100, 101-113.	3.9	4
82	Alcohol and type 2 diabetes: The role of socioeconomic, lifestyle and psychosocial factors. <i>Scandinavian Journal of Public Health</i> , 2019, 47, 408-416.	2.3	3
83	Regulation of In Vitro Maturation of Stimulus-Secretion Coupling in Fetal Rat Islet $\beta$ -cells. <i>Endocrine</i> , 2000, 12, 273-278.	2.2	2
84	Type 2 Diabetes: Genotype-Based Therapy. <i>Science Translational Medicine</i> , 2014, 6, 257fs39.	12.4	2
85	Troponin T levels associated with genetic variants in NOTCH2 and MTNR1B in women with psychosis. <i>Psychiatry Research</i> , 2017, 250, 217-220.	3.3	2
86	Prevention and management of type 2 diabetes mellitus in Uganda and South Africa: Findings from the SMART2D pragmatic implementation trial. <i>PLOS Global Public Health</i> , 2022, 2, e0000425.	1.6	2
87	Cohort Profile: The Stockholm Diabetes Prevention Programme (SDPP). <i>International Journal of Epidemiology</i> , 2022, 51, e401-e413.	1.9	2
88	Extent of the association between self-rated health and place of birth: a cross-sectional study among people at high risk of developing pre-diabetes and diabetes in Sweden. <i>BMJ Open</i> , 2019, 9, e028757.	1.9	1
89	Burning sensation in the feet and glycosylated haemoglobin levels in Swedish- and non-Swedish-born primary healthcare patients. <i>Primary Care Diabetes</i> , 2021, 15, 522-527.	1.8	0
90	Therapeutic Potential of Sunitinib in Ameliorating Endothelial Dysfunction in Type 2 Diabetic Rats. <i>Pharmacology</i> , 2022, 107, 160-166.	2.2	0