Olle Korsgren

List of Publications by Citations

110 papers	3,206 citations	28 h-index	54 g-index
115 ext. papers	3,818 ext. citations	5 avg, IF	5.15 L-index

#	Paper	IF	Citations
110	Phase 3 Trial of Transplantation of Human Islets in Type 1 Diabetes Complicated by Severe Hypoglycemia. *Diabetes Care*, **2016**, 39, 1230-40	14.6	355
109	Identification of proliferative and mature β-cells in the islets of Langerhans. *Nature*, **2016**, 535, 430-4	50.4	210
108	Detection of a low-grade enteroviral infection in the islets of langerhans of living patients newly diagnosed with type 1 diabetes. *Diabetes*, **2015**, 64, 1682-7	0.9	196
107	Refinement of the automated method for human islet isolation and presentation of a closed system for in vitro islet culture. *Transplantation*, **2004**, 78, 1367-75	1.8	182
106	Preserved β-cell function in type 1 diabetes by mesenchymal stromal cells. *Diabetes*, **2015**, 64, 587-92	0.9	173
105	Inflammatory mediators expressed in human islets of Langerhans: implications for islet transplantation. *Biochemical and Biophysical Research Communications*, **2003**, 308, 474-9	3.4	147
104	National Institutes of Health-Sponsored Clinical Islet Transplantation Consortium Phase 3 Trial: Manufacture of a Complex Cellular Product at Eight Processing Facilities. *Diabetes*, **2016**, 65, 3418-3428	0.9	109
103	Pancreatic biopsy by minimal tail resection in live adult patients at the onset of type 1 diabetes: experiences from the DiViD study. *Diabetologia*, **2014**, 57, 841-3	10.3	106
102	Transplantation of macroencapsulated human islets within the bioartificial pancreas βAir to patients with type 1 diabetes mellitus. *American Journal of Transplantation*, **2018**, 18, 1735-1744	8.7	93
101	In Vivo Effects of Mesenchymal Stromal Cells in Two Patients With Severe Acute Respiratory Distress Syndrome. *Stem Cells Translational Medicine*, **2015**, 4, 1199-213	6.9	90
100	Pig islet xenograft rejection is markedly delayed in macrophage-depleted mice: a study in streptozotocin diabetic animals. *Xenotransplantation*, **2000**, 7, 214-20	2.8	59
99	Function of Isolated Pancreatic Islets From Patients at Onset of Type 1 Diabetes: Insulin Secretion Can Be Restored After Some Days in a Nondiabetogenic Environment In Vitro: Results From the DiViD Study. *Diabetes*, **2015**, 64, 2506-12	0.9	58
98	Islet Encapsulation: Physiological Possibilities and Limitations. *Diabetes*, **2017**, 66, 1748-1754	0.9	55
97	Insulitis and characterisation of infiltrating T cells in surgical pancreatic tail resections from patients at onset of type 1 diabetes. *Diabetologia*, **2016**, 59, 492-501	10.3	55
96	Positron emission tomography ligand [11C]5-hydroxy-tryptophan can be used as a surrogate marker for the human endocrine pancreas. *Diabetes*, **2014**, 63, 3428-37	0.9	53
95	On the etiology of type 1 diabetes: a new animal model signifying a decisive role for bacteria eliciting an adverse innate immunity response. *American Journal of Pathology*, **2012**, 181, 1735-48	5.8	53
94	Revisiting the notion of type 1 diabetes being a T-cell-mediated autoimmune disease. *Current Opinion in Endocrinology, Diabetes and Obesity*, **2013**, 20, 118-23	4	50

93	Acute cellular xenograft rejection. *Xenotransplantation*, **1997**, 4, 11-19	2.8	50
92	Novel pancreatic beta cell-specific proteins: antibody-based proteomics for identification of new biomarker candidates. *Journal of Proteomics*, **2012**, 75, 2611-20	3.9	47
91	Positron emission tomography imaging of the glucagon-like peptide-1 receptor in healthy and streptozotocin-induced diabetic pigs. *European Journal of Nuclear Medicine and Molecular Imaging*, **2014**, 41, 1800-10	8.8	40
90	Demonstration of Tissue Resident Memory CD8 T Cells in Insulitic Lesions in Adult Patients with Recent-Onset Type 1 Diabetes. *American Journal of Pathology*, **2017**, 187, 581-588	5.8	39
89	Minimum Information about T Regulatory Cells: A Step toward Reproducibility and Standardization. *Frontiers in Immunology*, **2017**, 8, 1844	8.4	34
88	An IFIH1 gene polymorphism associated with risk for autoimmunity regulates canonical antiviral defence pathways in Coxsackievirus infected human pancreatic islets. *Scientific Reports*, **2016**, 6, 39378	4.9	34
87	Type 1 Diabetes Mellitus Donor Mesenchymal Stromal Cells Exhibit Comparable Potency to Healthy Controls In Vitro. *Stem Cells Translational Medicine*, **2016**, 5, 1485-1495	6.9	34
86	Human Adipose-Derived Mesenchymal Stem Cells Respond to Short-Term Hypoxia by Secreting Factors Beneficial for Human Islets In Vitro and Potentiate Antidiabetic Effect In Vivo. *Cell Medicine*, **2017**, 9, 103-116	4.9	31
85	Insulitis in human diabetes: a histological evaluation of donor pancreases. *Diabetologia*, **2017**, 60, 346-353	10.3	30
84	Quantitative imaging of serotonergic biosynthesis and degradation in the endocrine pancreas. *Journal of Nuclear Medicine*, **2014**, 55, 460-5	8.9	29
83	Enteroviruses and the pathogenesis of type 1 diabetes revisited: cross-reactivity of enterovirus capsid protein (VP1) antibodies with human mitochondrial proteins. *Journal of Pathology*, **2013**, 229, 719-28	9.4	28
82	Lack of antibody production against Hanganutziu-Deicher (H-D) antigens with N-glycolylneuraminic acid in patients with porcine exposure history. *Xenotransplantation*, **2000**, 7, 177-80	2.8	28
81	In Vivo Visualization of □Cells by Targeting of GPR44. *Diabetes*, **2018**, 67, 182-192	0.9	28
80	GPR44 is a pancreatic protein restricted to the human beta cell. *Acta Diabetologica*, **2016**, 53, 413-21	3.9	27
79	Increased inflammatory response in cytomegalovirus seropositive patients with Alzheimer's disease. *PLoS ONE*, **2014**, 9, e96779	3.7	25
78	The human pancreas proteome defined by transcriptomics and antibody-based profiling. *PLoS ONE*, **2014**, 9, e115421	3.7	25
77	Improving islet transplantation: a road map for a widespread application for the cure of persons with type I diabetes. *Current Opinion in Organ Transplantation*, **2009**, 14, 683-7	2.5	25
76	Positron Emission Tomography to Assess the Outcome of Intraportal Islet Transplantation. *Diabetes*, **2016**, 65, 2482-9	0.9	23

75	Phase 3 trial of human islet-after-kidney transplantation in type 1 diabetes. *American Journal of Transplantation*, **2021**, 21, 1477-1492	8.7	23
74	Direct Substrate Delivery Into Mitochondrial Fission-Deficient Pancreatic Islets Rescues Insulin Secretion. *Diabetes*, **2017**, 66, 1247-1257	0.9	22
73	Enhanced Survival of Porcine Neural Xenografts in Mice Lacking CD1d1, But No Effect of NK1.1 Depletion. *Cell Transplantation*, **2001**, 10, 295-304	4	22
72	The effect of macrophage depletion on delayed xenograft rejection: studies in the guinea pig-to-C6-deficient rat heart transplantation model. *Xenotransplantation*, **1999**, 6, 262-70	2.8	22
71	Open Randomized Multicenter Study to Evaluate Safety and Efficacy of Low Molecular Weight Sulfated Dextran in Islet Transplantation. *Transplantation*, **2019**, 103, 630-637	1.8	21
70	Pre-clinical evaluation of [(68)Ga]Ga-DO3A-VS-Cys(40)-Exendin-4 for imaging of insulinoma. *Nuclear Medicine and Biology*, **2014**, 41, 471-6	2.1	21
69	First update of the International Xenotransplantation Association consensus statement on conditions for undertaking clinical trials of porcine islet products in type 1 diabetes--Chapter 4: pre-clinical efficacy and complication data required to justify a clinical trial. *Xenotransplantation*, **2016**, 23, 46-52	2.8	21
68	[C]5-hydroxy-tryptophan PET for Assessment of Islet Mass During Progression of Type 2 Diabetes. *Diabetes*, **2017**, 66, 1286-1292	0.9	20
67	Survival of fetal porcine pancreatic islet tissue transplanted to a diabetic patient: findings by ultrastructural immunocytochemistry. *Xenotransplantation*, **1998**, 5, 222-5	2.8	20
66	Characterisation of the endocrine pancreas in type 1 diabetes: islet size is maintained but islet number is markedly reduced. *Journal of Pathology: Clinical Research*, **2019**, 5, 248-255	5.3	19
65	Purification of regulatory T cells with the use of a fully enclosed high-speed microfluidic system. *Cytotherapy*, **2014**, 16, 1384-9	4.8	19
64	Human islet distribution programme for basic research: activity over the last 5 years. *Diabetologia*, **2015**, 58, 1138-40	10.3	16
63	Xenograft rejection of fetal porcine islet-like cell clusters in the rat: effects of active and passive immunization. *Xenotransplantation*, **1999**, 6, 271-80	2.8	15
62	Clostripain, the Missing Link in the Enzyme Blend for Efficient Human Islet Isolation. *Transplantation Direct*, **2015**, 1, e19	2.3	14
61	Heterogeneity of Human Pancreatic Islet Isolation Around Europe: Results of a Survey Study. *Transplantation*, **2020**, 104, 190-196	1.8	13
60	Toward clinical trials of islet xenotransplantation. *Xenotransplantation*, **2003**, 10, 289-92	2.8	12
59	Multiplexing DNA methylation markers to detect circulating cell-free DNA derived from human pancreatic cells. *JCI Insight*, **2020**, 5,	9.9	12
58	Pancreatic perfusion and subsequent response to glucose in healthy individuals and patients with type 1 diabetes. *Diabetologia*, **2016**, 59, 1968-72	10.3	12

57	Detection and quantification of beta cells by PET imaging: why clinical implementation has never been closer. *Diabetologia*, **2018**, 61, 2516-2519	10.3	11
56	No Evidence for Presence of Mucosal-Associated Invariant T Cells in the Insulitic Lesions in Patients Recently Diagnosed with Type 1 Diabetes. *American Journal of Pathology*, **2018**, 188, 1744-1748	5.8	11
55	Pancreatic imaging using an antibody fragment targeting the zinc transporter type 8: a direct comparison with radio-iodinated Exendin-4. *Acta Diabetologica*, **2018**, 55, 49-57	3.9	9
54	Delayed type hypersensitivity-associated cytokines in islet xenotransplantation: limited efficacy of interleukin-2- and tumor necrosis factor-alpha-blockade in interferon-gamma receptor-deficient mice. *Xenotransplantation*, **2000**, 7, 206-13	2.8	9
53	The development of a GPR44 targeting radioligand [C]AZ12204657 for in vivo assessment of beta cell mass. *EJNMMI Research*, **2018**, 8, 113	3.6	9
52	Characterization of host defense molecules in the human pancreas. *Islets*, **2019**, 11, 89-101	2	8
51	An Apparent Deficiency of Lymphatic Capillaries in the Islets of Langerhans in the Human Pancreas. *Diabetes*, **2016**, 65, 1004-8	0.9	8
50	Evaluation of RT-PCR and immunohistochemistry as tools for detection of enterovirus in the human pancreas and islets of Langerhans. *Journal of Clinical Virology*, **2014**, 61, 242-7	14.5	8
49	Cardiovascular side-effects and insulin secretion after intravenous administration of radiolabeled Exendin-4 in pigs. *Nuclear Medicine and Biology*, **2016**, 43, 397-402	2.1	8
48	Glial cell-line derived neurotrophic factor protects human islets from nutrient deprivation and endoplasmic reticulum stress induced apoptosis. *Scientific Reports*, **2017**, 7, 1575	4.9	7
47	Cost and clinical outcome of islet transplantation in Norway 2010-2015. *Clinical Transplantation*, **2017**, 31, e12871	3.8	7
46	Comparison of Neutral Proteases and Collagenase Class I as Essential Enzymes for Human Islet Isolation. *Transplantation Direct*, **2016**, 2, e47	2.3	7
45	Multicenter Assessment of Animal-free Collagenase AF-1 for Human Islet Isolation. *Cell Transplantation*, **2017**, 26, 1688-1693	4	6
44	Intracellular sirolimus concentration is reduced by tacrolimus in human pancreatic islets in vitro. *Transplant International*, **2015**, 28, 1152-61	3	6
43	A new in vitro model for the study of pig-to-human vascular hyperacute rejection. *Xenotransplantation*, **2001**, 8, 176-84	2.8	6
42	Comparison of Clostripain and Neutral Protease as Supplementary Enzymes for Human Islet Isolation. *Cell Transplantation*, **2019**, 28, 176-184	4	6
41	On the dynamics of the human endocrine pancreas and potential consequences for the development of type 1 diabetes. *Acta Diabetologica*, **2020**, 57, 503-511	3.9	6
40	Pre-transplantation P-magnetic resonance spectroscopy for quality assessment of human pancreatic grafts - A feasibility study. *Magnetic Resonance Imaging*, **2017**, 39, 98-102	3.3	5

39	Comparing the Effects of the mTOR Inhibitors Azithromycin and Rapamycin on In Vitro Expanded Regulatory T Cells. *Cell Transplantation*, **2019**, 28, 1603-1613	4	5
38	Synthesis and preclinical evaluation of the CRTH2 antagonist [C]MK-7246 as a novel PET tracer and potential surrogate marker for pancreatic beta-cell mass. *Nuclear Medicine and Biology*, **2019**, 71, 1-10	2.1	5
37	Inhibition of the prostaglandin D-GPR44/DP2 axis improves human islet survival and function. *Diabetologia*, **2020**, 63, 1355-1367	10.3	5
36	Aetiology of type 1 diabetes: Physiological growth in children affects disease progression. *Diabetes, Obesity and Metabolism*, **2018**, 20, 775-785	6.7	5
35	Graft function 1 year after pregnancy in an islet-transplanted patient. *Transplant International*, **2015**, 28, 1235-9	3	5
34	Longitudinal Assessment of C-5-Hydroxytryptophan Uptake in Pancreas After Debut of Type 1 Diabetes. *Diabetes*, **2021**, 70, 966-975	0.9	5
33	Characterisation of enterovirus RNA detected in the pancreas and other specimens of live patients with newly diagnosed type 1 diabetes in the DiViD study. *Diabetologia*, **2021**, 64, 2491-2501	10.3	5
32	Expression profiles of stress-related genes in islets from donors with progressively impaired glucose metabolism. *Islets*, **2018**, 10, 69-79	2	4
31	Interleukin-22 reverses human islet dysfunction and apoptosis triggered by hyperglycemia and LIGHT. *Journal of Molecular Endocrinology*, **2018**, 60, 171-183	4.5	4
30	Calcium: A Crucial Potentiator for Efficient Enzyme Digestion of the Human Pancreas. *Cell Transplantation*, **2018**, 27, 1031-1038	4	4
29	Islets for Research: Nothing Is Perfect, but We Can Do Better. *Diabetes*, **2019**, 68, 1541-1543	0.9	4
28	Proton MR spectroscopy of human pancreas allografts. *Magnetic Resonance Materials in Physics, Biology, and Medicine*, **2019**, 32, 511-517	2.8	4
27	Quantifying the Effects of Different Neutral Proteases on Human Islet Integrity. *Cell Transplantation*, **2017**, 26, 1733-1741	4	4
26	The effects of exendin-4 treatment on graft failure: an animal study using a novel re-vascularized minimal human islet transplant model. *PLoS ONE*, **2015**, 10, e0121204	3.7	4
25	Suppression of T cells results in long-term survival of mouse heart xenografts in C6-deficient rats. *Xenotransplantation*, **2001**, 8, 303-9	2.8	4
24	Islet Gene View - a tool to facilitate islet research		4
23	Mesoscopic 3D imaging of pancreatic cancer and Langerhans islets based on tissue autofluorescence. *Scientific Reports*, **2020**, 10, 18246	4.9	4
22	Large enteroviral vaccination studies to prevent type 1 diabetes should be well founded and rely on scientific evidence. *Diabetologia*, **2019**, 62, 1097-1099	10.3	4

21	Protein Kinase R Is Constitutively Expressed in the Human Pancreas. *Journal of Histochemistry and Cytochemistry*, **2019**, 67, 99-105	3.4	4
20	Imagining a better future for all people with type 1 diabetes mellitus. *Nature Reviews Endocrinology* , **2019**, 15, 623-624	15.2	3
19	The role of vitamin D in the aetiology of type 1 diabetes. *Diabetologia*, **2020**, 63, 1279-1280	10.3	3
18	Detection of enterovirus in the islet cells of patients with type 1 diabetes: what do we learn from immunohistochemistry?. *Diabetologia*, **2014**, 57, 645-6	10.3	3
17	Perivascular Macrophages Regulate Blood Flow Following Tissue Damage. *Circulation Research*, **2021**, 128, 1694-1707	15.7	3
16	Treatment with Tacrolimus and Sirolimus Reveals No Additional Adverse Effects on Human Islets In Vitro Compared to Each Drug Alone but They Are Reduced by Adding Glucocorticoids. *Journal of Diabetes Research*, **2016**, 2016, 4196460	3.9	3
15	Adenoviral CD40 Ligand Immunotherapy in 32 Canine Malignant Melanomas-Long-Term Follow Up. *Frontiers in Veterinary Science*, **2021**, 8, 695222	3.1	3
14	Re-addressing the 2013 consensus guidelines for the diagnosis of insulitis in human type 1 diabetes: is change necessary? Reply to Campbell-Thompson ML, Atkinson MA, Butler AE et al [letter]. *Diabetologia*, **2017**, 60, 756-757	10.3	2
13	Comment on Rodriguez-Calvo et al. Increase in Pancreatic Proinsulin and Preservation of Cell Mass in Autoantibody-Positive Donors Prior to Type 1 Diabetes Onset. Diabetes 2017;66:1334-1345. *Diabetes*, **2017**, 66, e8-e9	0.9	2
12	Characterization of the endocrine pancreas in Type 1 Diabetes: islet size is maintained but islet number is markedly reduced		2
11	US food and drug administration (FDA) panel endorses islet cell treatment for type 1 diabetes: A pyrrhic victory?. *Transplant International*, **2021**, 34, 1182-1186	3	2
10	Radiolabelling and positron emission tomography imaging of a high-affinity peptide binder to collagen type 1. *Nuclear Medicine and Biology*, **2021**, 93, 54-62	2.1	2
9	Discovery, optimization and biodistribution of an Affibody molecule for imaging of CD69. *Scientific Reports*, **2021**, 11, 19151	4.9	2
8	3D imaging of human organs with micrometer resolution - applied to the endocrine pancreas. *Communications Biology*, **2021**, 4, 1063	6.7	2
7	Co-transplantation of human and pig islets. *Xenotransplantation*, **2008**, 15, 112	2.8	1
6	Transcriptional analysis of islets of Langerhans from organ donors of different ages. *PLoS ONE*, **2021**, 16, e0247888	3.7	1
5	Histological and transcriptional characterization of the pancreatic acinar tissue in type 1 diabetes. *BMJ Open Diabetes Research and Care*, **2021**, 9,	4.5	1
4	Organ-specific metabolic pathways distinguish prediabetes, type 2 diabetes and normal tissues		1

3	Transcriptional profiles of human islet and exocrine endothelial cells in subjects with or without impaired glucose metabolism. *Scientific Reports*, **2020**, 10, 22315	4.9	0
2	PET-CT imaging of pulmonary inflammation using [Ga]Ga-DOTA-TATE.. *EJNMMI Research*, **2022**, 12, 19	3.6	0
1	A decisive bridge between innate immunity and the pathognomonic morphological characteristics of type 1 diabetes demonstrated by instillation of heat-inactivated bacteria in the pancreatic duct of rats.. *Acta Diabetologica*, **2022**, 1	3.9	