

# Olle Korsgren

## List of Publications by Year in Descending Order

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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.

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	PET-CT imaging of pulmonary inflammation using [Ga]Ga-DOTA-TATE.. <i>EJNMMI Research</i> , <b>2022</b> , 12, 19	3.6	0
109	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.. <i>Acta Diabetologica</i> , <b>2022</b> , 1	3.9	
108	Transcriptional analysis of islets of Langerhans from organ donors of different ages. <i>PLoS ONE</i> , <b>2021</b> , 16, e0247888	3.7	1
107	Histological and transcriptional characterization of the pancreatic acinar tissue in type 1 diabetes. <i>BMJ Open Diabetes Research and Care</i> , <b>2021</b> , 9,	4.5	1
106	Perivascular Macrophages Regulate Blood Flow Following Tissue Damage. <i>Circulation Research</i> , <b>2021</b> , 128, 1694-1707	15.7	3
105	US food and drug administration (FDA) panel endorses islet cell treatment for type 1 diabetes: A pyrrhic victory?. <i>Transplant International</i> , <b>2021</b> , 34, 1182-1186	3	2
104	Phase 3 trial of human islet-after-kidney transplantation in type 1 diabetes. <i>American Journal of Transplantation</i> , <b>2021</b> , 21, 1477-1492	8.7	23
103	Radiolabelling and positron emission tomography imaging of a high-affinity peptide binder to collagen type 1. <i>Nuclear Medicine and Biology</i> , <b>2021</b> , 93, 54-62	2.1	2
102	Longitudinal Assessment of C-5-Hydroxytryptophan Uptake in Pancreas After Debut of Type 1 Diabetes. <i>Diabetes</i> , <b>2021</b> , 70, 966-975	0.9	5
101	Adenoviral CD40 Ligand Immunotherapy in 32 Canine Malignant Melanomas-Long-Term Follow Up. <i>Frontiers in Veterinary Science</i> , <b>2021</b> , 8, 695222	3.1	3
100	Characterisation of enterovirus RNA detected in the pancreas and other specimens of live patients with newly diagnosed type 1 diabetes in the DiViD study. <i>Diabetologia</i> , <b>2021</b> , 64, 2491-2501	10.3	5
99	Discovery, optimization and biodistribution of an Affibody molecule for imaging of CD69. <i>Scientific Reports</i> , <b>2021</b> , 11, 19151	4.9	2
98	3D imaging of human organs with micrometer resolution - applied to the endocrine pancreas. <i>Communications Biology</i> , <b>2021</b> , 4, 1063	6.7	2
97	The role of vitamin D in the aetiology of type 1 diabetes. <i>Diabetologia</i> , <b>2020</b> , 63, 1279-1280	10.3	3
96	Inhibition of the prostaglandin D-GPR44/DP2 axis improves human islet survival and function. <i>Diabetologia</i> , <b>2020</b> , 63, 1355-1367	10.3	5
95	Multiplexing DNA methylation markers to detect circulating cell-free DNA derived from human pancreatic islets. <i>JCI Insight</i> , <b>2020</b> , 5,	9.9	12
94	Transcriptional profiles of human islet and exocrine endothelial cells in subjects with or without impaired glucose metabolism. <i>Scientific Reports</i> , <b>2020</b> , 10, 22315	4.9	0

93	Heterogeneity of Human Pancreatic Islet Isolation Around Europe: Results of a Survey Study. <i>Transplantation</i> , <b>2020</b> , 104, 190-196	1.8	13
92	Mesosopic 3D imaging of pancreatic cancer and Langerhans islets based on tissue autofluorescence. <i>Scientific Reports</i> , <b>2020</b> , 10, 18246	4.9	4
91	On the dynamics of the human endocrine pancreas and potential consequences for the development of type 1 diabetes. <i>Acta Diabetologica</i> , <b>2020</b> , 57, 503-511	3.9	6
90	Imagining a better future for all people with type 1 diabetes mellitus. <i>Nature Reviews Endocrinology</i> , <b>2019</b> , 15, 623-624	15.2	3
89	Comparing the Effects of the mTOR Inhibitors Azithromycin and Rapamycin on In Vitro Expanded Regulatory T Cells. <i>Cell Transplantation</i> , <b>2019</b> , 28, 1603-1613	4	5
88	Open Randomized Multicenter Study to Evaluate Safety and Efficacy of Low Molecular Weight Sulfated Dextran in Islet Transplantation. <i>Transplantation</i> , <b>2019</b> , 103, 630-637	1.8	21
87	Characterization of host defense molecules in the human pancreas. <i>Islets</i> , <b>2019</b> , 11, 89-101	2	8
86	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. <i>Nuclear Medicine and Biology</i> , <b>2019</b> , 71, 1-10	2.1	5
85	Islets for Research: Nothing Is Perfect, but We Can Do Better. <i>Diabetes</i> , <b>2019</b> , 68, 1541-1543	0.9	4
84	Proton MR spectroscopy of human pancreas allografts. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , <b>2019</b> , 32, 511-517	2.8	4
83	Characterisation of the endocrine pancreas in type 1 diabetes: islet size is maintained but islet number is markedly reduced. <i>Journal of Pathology: Clinical Research</i> , <b>2019</b> , 5, 248-255	5.3	19
82	Large enteroviral vaccination studies to prevent type 1 diabetes should be well founded and rely on scientific evidence. <i>Diabetologia</i> , <b>2019</b> , 62, 1097-1099	10.3	4
81	Comparison of Clostripain and Neutral Protease as Supplementary Enzymes for Human Islet Isolation. <i>Cell Transplantation</i> , <b>2019</b> , 28, 176-184	4	6
80	Protein Kinase R Is Constitutively Expressed in the Human Pancreas. <i>Journal of Histochemistry and Cytochemistry</i> , <b>2019</b> , 67, 99-105	3.4	4
79	Expression profiles of stress-related genes in islets from donors with progressively impaired glucose metabolism. <i>Islets</i> , <b>2018</b> , 10, 69-79	2	4
78	Interleukin-22 reverses human islet dysfunction and apoptosis triggered by hyperglycemia and LIGHT. <i>Journal of Molecular Endocrinology</i> , <b>2018</b> , 60, 171-183	4.5	4
77	Transplantation of macroencapsulated human islets within the bioartificial pancreas Air to patients with type 1 diabetes mellitus. <i>American Journal of Transplantation</i> , <b>2018</b> , 18, 1735-1744	8.7	93
76	Pancreatic imaging using an antibody fragment targeting the zinc transporter type 8: a direct comparison with radio-iodinated Exendin-4. <i>Acta Diabetologica</i> , <b>2018</b> , 55, 49-57	3.9	9

75	Aetiology of type 1 diabetes: Physiological growth in children affects disease progression. <i>Diabetes, Obesity and Metabolism</i> , <b>2018</b> , 20, 775-785	6.7	5
74	Calcium: A Crucial Potentiator for Efficient Enzyme Digestion of the Human Pancreas. <i>Cell Transplantation</i> , <b>2018</b> , 27, 1031-1038	4	4
73	In Vivo Visualization of $\beta$ Cells by Targeting of GPR44. <i>Diabetes</i> , <b>2018</b> , 67, 182-192	0.9	28
72	The development of a GPR44 targeting radioligand [ $^{125}$ I]AZ12204657 for in vivo assessment of beta cell mass. <i>EJNMMI Research</i> , <b>2018</b> , 8, 113	3.6	9
71	Detection and quantification of beta cells by PET imaging: why clinical implementation has never been closer. <i>Diabetologia</i> , <b>2018</b> , 61, 2516-2519	10.3	11
70	No Evidence for Presence of Mucosal-Associated Invariant T Cells in the Insulitic Lesions in Patients Recently Diagnosed with Type 1 Diabetes. <i>American Journal of Pathology</i> , <b>2018</b> , 188, 1744-1748	5.8	11
69	Re-addressing the 2013 consensus guidelines for the diagnosis of insulinitis in human type 1 diabetes: is change necessary? Reply to Campbell-Thompson ML, Atkinson MA, Butler AE et al [letter]. <i>Diabetologia</i> , <b>2017</b> , 60, 756-757	10.3	2
68	Demonstration of Tissue Resident Memory CD8 T Cells in Insulitic Lesions in Adult Patients with Recent-Onset Type 1 Diabetes. <i>American Journal of Pathology</i> , <b>2017</b> , 187, 581-588	5.8	39
67	[ $^{125}$ I]5-hydroxy-tryptophan PET for Assessment of Islet Mass During Progression of Type 2 Diabetes. <i>Diabetes</i> , <b>2017</b> , 66, 1286-1292	0.9	20
66	Direct Substrate Delivery Into Mitochondrial Fission-Deficient Pancreatic Islets Rescues Insulin Secretion. <i>Diabetes</i> , <b>2017</b> , 66, 1247-1257	0.9	22
65	Pre-transplantation P-magnetic resonance spectroscopy for quality assessment of human pancreatic grafts - A feasibility study. <i>Magnetic Resonance Imaging</i> , <b>2017</b> , 39, 98-102	3.3	5
64	Glial cell-line derived neurotrophic factor protects human islets from nutrient deprivation and endoplasmic reticulum stress induced apoptosis. <i>Scientific Reports</i> , <b>2017</b> , 7, 1575	4.9	7
63	Islet Encapsulation: Physiological Possibilities and Limitations. <i>Diabetes</i> , <b>2017</b> , 66, 1748-1754	0.9	55
62	Multicenter Assessment of Animal-free Collagenase AF-1 for Human Islet Isolation. <i>Cell Transplantation</i> , <b>2017</b> , 26, 1688-1693	4	6
61	Minimum Information about T Regulatory Cells: A Step toward Reproducibility and Standardization. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 1844	8.4	34
60	Comment on Rodriguez-Calvo et al. Increase in Pancreatic Proinsulin and Preservation of $\beta$ Cell Mass in Autoantibody-Positive Donors Prior to Type 1 Diabetes Onset. <i>Diabetes</i> 2017;66:1334-1345. <i>Diabetes</i> , <b>2017</b> , 66, e8-e9	0.9	2
59	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. <i>Cell Medicine</i> , <b>2017</b> , 9, 103-116	4.9	31
58	Insulinitis in human diabetes: a histological evaluation of donor pancreases. <i>Diabetologia</i> , <b>2017</b> , 60, 346-353	30.3	30

57	Cost and clinical outcome of islet transplantation in Norway 2010-2015. <i>Clinical Transplantation</i> , <b>2017</b> , 31, e12871	3.8	7
56	Quantifying the Effects of Different Neutral Proteases on Human Islet Integrity. <i>Cell Transplantation</i> , <b>2017</b> , 26, 1733-1741	4	4
55	GPR44 is a pancreatic protein restricted to the human beta cell. <i>Acta Diabetologica</i> , <b>2016</b> , 53, 413-21	3.9	27
54	An Apparent Deficiency of Lymphatic Capillaries in the Islets of Langerhans in the Human Pancreas. <i>Diabetes</i> , <b>2016</b> , 65, 1004-8	0.9	8
53	Insulinitis and characterisation of infiltrating T cells in surgical pancreatic tail resections from patients at onset of type 1 diabetes. <i>Diabetologia</i> , <b>2016</b> , 59, 492-501	10.3	55
52	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. <i>Journal of Diabetes Research</i> , <b>2016</b> , 2016, 4196460	3.9	3
51	Identification of proliferative and mature $\beta$ cells in the islets of Langerhans. <i>Nature</i> , <b>2016</b> , 535, 430-4	50.4	210
50	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. <i>Xenotransplantation</i> , <b>2016</b> , 23, 46-52	2.8	21
49	An IFIH1 gene polymorphism associated with risk for autoimmunity regulates canonical antiviral defence pathways in Cocksackievirus infected human pancreatic islets. <i>Scientific Reports</i> , <b>2016</b> , 6, 39378	4.9	34
48	Cardiovascular side-effects and insulin secretion after intravenous administration of radiolabeled Exendin-4 in pigs. <i>Nuclear Medicine and Biology</i> , <b>2016</b> , 43, 397-402	2.1	8
47	Comparison of Neutral Proteases and Collagenase Class I as Essential Enzymes for Human Islet Isolation. <i>Transplantation Direct</i> , <b>2016</b> , 2, e47	2.3	7
46	Phase 3 Trial of Transplantation of Human Islets in Type 1 Diabetes Complicated by Severe Hypoglycemia. <i>Diabetes Care</i> , <b>2016</b> , 39, 1230-40	14.6	355
45	Positron Emission Tomography to Assess the Outcome of Intraportal Islet Transplantation. <i>Diabetes</i> , <b>2016</b> , 65, 2482-9	0.9	23
44	Type 1 Diabetes Mellitus Donor Mesenchymal Stromal Cells Exhibit Comparable Potency to Healthy Controls In Vitro. <i>Stem Cells Translational Medicine</i> , <b>2016</b> , 5, 1485-1495	6.9	34
43	Pancreatic perfusion and subsequent response to glucose in healthy individuals and patients with type 1 diabetes. <i>Diabetologia</i> , <b>2016</b> , 59, 1968-72	10.3	12
42	National Institutes of Health-Sponsored Clinical Islet Transplantation Consortium Phase 3 Trial: Manufacture of a Complex Cellular Product at Eight Processing Facilities. <i>Diabetes</i> , <b>2016</b> , 65, 3418-3428	0.9	109
41	Human islet distribution programme for basic research: activity over the last 5 years. <i>Diabetologia</i> , <b>2015</b> , 58, 1138-40	10.3	16
40	In Vivo Effects of Mesenchymal Stromal Cells in Two Patients With Severe Acute Respiratory Distress Syndrome. <i>Stem Cells Translational Medicine</i> , <b>2015</b> , 4, 1199-213	6.9	90

39	Preserved $\beta$ cell function in type 1 diabetes by mesenchymal stromal cells. <i>Diabetes</i> , <b>2015</b> , 64, 587-92	0.9	173
38	Intracellular sirolimus concentration is reduced by tacrolimus in human pancreatic islets in vitro. <i>Transplant International</i> , <b>2015</b> , 28, 1152-61	3	6
37	Clostripain, the Missing Link in the Enzyme Blend for Efficient Human Islet Isolation. <i>Transplantation Direct</i> , <b>2015</b> , 1, e19	2.3	14
36	Graft function 1 year after pregnancy in an islet-transplanted patient. <i>Transplant International</i> , <b>2015</b> , 28, 1235-9	3	5
35	The effects of exendin-4 treatment on graft failure: an animal study using a novel re-vascularized minimal human islet transplant model. <i>PLoS ONE</i> , <b>2015</b> , 10, e0121204	3.7	4
34	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. <i>Diabetes</i> , <b>2015</b> , 64, 2506-12	0.9	58
33	Detection of a low-grade enteroviral infection in the islets of langerhans of living patients newly diagnosed with type 1 diabetes. <i>Diabetes</i> , <b>2015</b> , 64, 1682-7	0.9	196
32	Pancreatic biopsy by minimal tail resection in live adult patients at the onset of type 1 diabetes: experiences from the DiViD study. <i>Diabetologia</i> , <b>2014</b> , 57, 841-3	10.3	106
31	Detection of enterovirus in the islet cells of patients with type 1 diabetes: what do we learn from immunohistochemistry?. <i>Diabetologia</i> , <b>2014</b> , 57, 645-6	10.3	3
30	Purification of regulatory T cells with the use of a fully enclosed high-speed microfluidic system. <i>Cytotherapy</i> , <b>2014</b> , 16, 1384-9	4.8	19
29	Evaluation of RT-PCR and immunohistochemistry as tools for detection of enterovirus in the human pancreas and islets of Langerhans. <i>Journal of Clinical Virology</i> , <b>2014</b> , 61, 242-7	14.5	8
28	Quantitative imaging of serotonergic biosynthesis and degradation in the endocrine pancreas. <i>Journal of Nuclear Medicine</i> , <b>2014</b> , 55, 460-5	8.9	29
27	Positron emission tomography imaging of the glucagon-like peptide-1 receptor in healthy and streptozotocin-induced diabetic pigs. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2014</b> , 41, 1800-10	8.8	40
26	Increased inflammatory response in cytomegalovirus seropositive patients with Alzheimer's disease. <i>PLoS ONE</i> , <b>2014</b> , 9, e96779	3.7	25
25	The human pancreas proteome defined by transcriptomics and antibody-based profiling. <i>PLoS ONE</i> , <b>2014</b> , 9, e115421	3.7	25
24	Positron emission tomography ligand [ $^{11}\text{C}$ ]5-hydroxy-tryptophan can be used as a surrogate marker for the human endocrine pancreas. <i>Diabetes</i> , <b>2014</b> , 63, 3428-37	0.9	53
23	Pre-clinical evaluation of [ $^{68}\text{Ga}$ ]Ga-DO3A-VS-Cys(40)-Exendin-4 for imaging of insulinoma. <i>Nuclear Medicine and Biology</i> , <b>2014</b> , 41, 471-6	2.1	21
22	Revisiting the notion of type 1 diabetes being a T-cell-mediated autoimmune disease. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , <b>2013</b> , 20, 118-23	4	50

21	Enteroviruses and the pathogenesis of type 1 diabetes revisited: cross-reactivity of enterovirus capsid protein (VP1) antibodies with human mitochondrial proteins. <i>Journal of Pathology</i> , <b>2013</b> , 229, 719-28	9.4	28
20	Novel pancreatic beta cell-specific proteins: antibody-based proteomics for identification of new biomarker candidates. <i>Journal of Proteomics</i> , <b>2012</b> , 75, 2611-20	3.9	47
19	On the etiology of type 1 diabetes: a new animal model signifying a decisive role for bacteria eliciting an adverse innate immunity response. <i>American Journal of Pathology</i> , <b>2012</b> , 181, 1735-48	5.8	53
18	Improving islet transplantation: a road map for a widespread application for the cure of persons with type I diabetes. <i>Current Opinion in Organ Transplantation</i> , <b>2009</b> , 14, 683-7	2.5	25
17	Co-transplantation of human and pig islets. <i>Xenotransplantation</i> , <b>2008</b> , 15, 112	2.8	1
16	Refinement of the automated method for human islet isolation and presentation of a closed system for in vitro islet culture. <i>Transplantation</i> , <b>2004</b> , 78, 1367-75	1.8	182
15	Toward clinical trials of islet xenotransplantation. <i>Xenotransplantation</i> , <b>2003</b> , 10, 289-92	2.8	12
14	Inflammatory mediators expressed in human islets of Langerhans: implications for islet transplantation. <i>Biochemical and Biophysical Research Communications</i> , <b>2003</b> , 308, 474-9	3.4	147
13	Suppression of T cells results in long-term survival of mouse heart xenografts in C6-deficient rats. <i>Xenotransplantation</i> , <b>2001</b> , 8, 303-9	2.8	4
12	A new in vitro model for the study of pig-to-human vascular hyperacute rejection. <i>Xenotransplantation</i> , <b>2001</b> , 8, 176-84	2.8	6
11	Enhanced Survival of Porcine Neural Xenografts in Mice Lacking CD1d1, But No Effect of NK1.1 Depletion. <i>Cell Transplantation</i> , <b>2001</b> , 10, 295-304	4	22
10	Lack of antibody production against Hanganutziu-Deicher (H-D) antigens with N-glycolylneuraminic acid in patients with porcine exposure history. <i>Xenotransplantation</i> , <b>2000</b> , 7, 177-80	2.8	28
9	Pig islet xenograft rejection is markedly delayed in macrophage-depleted mice: a study in streptozotocin diabetic animals. <i>Xenotransplantation</i> , <b>2000</b> , 7, 214-20	2.8	59
8	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. <i>Xenotransplantation</i> , <b>2000</b> , 7, 206-13	2.8	9
7	The effect of macrophage depletion on delayed xenograft rejection: studies in the guinea pig-to-C6-deficient rat heart transplantation model. <i>Xenotransplantation</i> , <b>1999</b> , 6, 262-70	2.8	22
6	Xenograft rejection of fetal porcine islet-like cell clusters in the rat: effects of active and passive immunization. <i>Xenotransplantation</i> , <b>1999</b> , 6, 271-80	2.8	15
5	Survival of fetal porcine pancreatic islet tissue transplanted to a diabetic patient: findings by ultrastructural immunocytochemistry. <i>Xenotransplantation</i> , <b>1998</b> , 5, 222-5	2.8	20
4	Acute cellular xenograft rejection. <i>Xenotransplantation</i> , <b>1997</b> , 4, 11-19	2.8	50

3	Islet Gene View - a tool to facilitate islet research	4
2	Characterization of the endocrine pancreas in Type 1 Diabetes: islet size is maintained but islet number is markedly reduced	2
1	Organ-specific metabolic pathways distinguish prediabetes, type 2 diabetes and normal tissues	1