Olle Korsgren

List of Publications by Year
in descending order

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110 papers	4,325 citations	147566 31 h-index	123241 61 g-index
115 all docs	115 docs citations	115 times ranked	5433 citing authors

#	Article	IF	Citations
1	Phase 3 Trial of Transplantation of Human Islets in Type 1 Diabetes Complicated by Severe Hypoglycemia. Diabetes Care, 2016, 39, 1230-1240.	4.3	498
2	Identification of proliferative and mature Î²-cells in the islets of Langerhans. Nature, 2016, 535, 430-434.	13.7	279
3	Detection of a Low-Grade Enteroviral Infection in the Islets of Langerhans of Living Patients Newly Diagnosed With Type 1 Diabetes. Diabetes, 2015, 64, 1682-1687.	0.3	255
4	Preserved Î²-Cell Function in Type 1 Diabetes by Mesenchymal Stromal Cells. Diabetes, 2015, 64, 587-592.	0.3	235
5	Refinement of the Automated Method for Human Islet Isolation and Presentation of a Closed System for In Vitro Islet Culture. Transplantation, 2004, 78, 1367-1375.	0.5	193
6	Inflammatory mediators expressed in human islets of Langerhans: implications for islet transplantation. Biochemical and Biophysical Research Communications, 2003, 308, 474-479.	1.0	155
7	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, 841-843.	2.9	149
8	National Institutes of Healthâ€“Sponsored Clinical Islet Transplantation Consortium Phase 3 Trial: Manufacture of a Complex Cellular Product at Eight Processing Facilities. Diabetes, 2016, 65, 3418-3428.	0.3	143
9	Transplantation of macroencapsulated human islets within the bioartificial pancreas Î²Air to patients with type 1 diabetes mellitus. American Journal of Transplantation, 2018, 18, 1735-1744.	2.6	140
10	In Vivo Effects of Mesenchymal Stromal Cells in Two Patients With Severe Acute Respiratory Distress Syndrome. Stem Cells Translational Medicine, 2015, 4, 1199-1213.	1.6	131
11	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.	2.9	77
12	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. Diabetes, 2015, 64, 2506-2512.	0.3	76
13	Islet Encapsulation: Physiological Possibilities and Limitations. Diabetes, 2017, 66, 1748-1754.	0.3	73
14	On the Etiology of Type 1 Diabetes. American Journal of Pathology, 2012, 181, 1735-1748.	1.9	65
15	Phase 3 trial of human islet-after-kidney transplantation in type 1 diabetes. American Journal of Transplantation, 2021, 21, 1477-1492.	2.6	64
16	Pig islet xenograft rejection is markedly delayed in macrophage-depleted mice: a study in streptozotocin diabetic animals. Xenotransplantation, 2000, 7, 214-220.	1.6	62
17	Revisiting the notion of type 1 diabetes being a T-cell-mediated autoimmune disease. Current Opinion in Endocrinology, Diabetes and Obesity, 2013, 20, 118-123.	1.2	60
18	Novel pancreatic beta cell-specific proteins: Antibody-based proteomics for identification of new biomarker candidates. Journal of Proteomics, 2012, 75, 2611-2620.	1.2	59

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19	Positron Emission Tomography Ligand [11C]5-Hydroxy-Tryptophan Can Be Used as a Surrogate Marker for the Human Endocrine Pancreas. Diabetes, 2014, 63, 3428-3437.	0.3	59
20	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.	1.9	55
21	Acute cellular xenograft rejection. Xenotransplantation, 1997, 4, 11-19.	1.6	52
22	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.	1.6	52
23	Type 1 Diabetes Mellitus Donor Mesenchymal Stromal Cells Exhibit Comparable Potency to Healthy Controls In Vitro. Stem Cells Translational Medicine, 2016, 5, 1485-1495.	1.6	51
24	Minimum Information about T Regulatory Cells: A Step toward Reproducibility and Standardization. Frontiers in Immunology, 2017, 8, 1844.	2.2	43
25	Increased Inflammatory Response in Cytomegalovirus Seropositive Patients with Alzheimerâ€™s Disease. PLoS ONE, 2014, 9, e96779.	1.1	41
26	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, 1800-1810.	3.3	41
27	Insulitis in human diabetes: a histological evaluation of donor pancreases. Diabetologia, 2017, 60, 346-353.	2.9	37
28	First update of the International Xenotransplantation Association consensus statement on conditions for undertaking clinical trials of porcine islet products in type 1 diabetesâ€”Chapter 4: preâ€clinical efficacy and complication data required to justify a clinical trial. Xenotransplantation, 2016, 23, 46-52.	1.6	36
29	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.	5.0	36
30	In Vivo Visualization of Î²-Cells by Targeting of GPR44. Diabetes, 2018, 67, 182-192.	0.3	36
31	The Human Pancreas Proteome Defined by Transcriptomics and Antibody-Based Profiling. PLoS ONE, 2014, 9, e115421.	1.1	35
32	GPR44 is a pancreatic protein restricted to the human beta cell. Acta Diabetologica, 2016, 53, 413-421.	1.2	34
33	Multiplexing DNA methylation markers to detect circulating cell-free DNA derived from human pancreatic I2 cells. JCI Insight, 2020, 5, .	2.3	34
34	Enteroviruses and the pathogenesis of type 1 diabetes revisited: crossâ€reactivity of enterovirus capsid protein (<scp>VP1</scp>) antibodies with human mitochondrial proteins. Journal of Pathology, 2013, 229, 719-728.	2.1	33
35	Quantitative Imaging of Serotonergic Biosynthesis and Degradation in the Endocrine Pancreas. Journal of Nuclear Medicine, 2014, 55, 460-465.	2.8	33
36	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.	1.3	33

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37	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, 683-687.	0.8	31
38	Lack of antibody production against Hanganutziu-Deicher (H-D) antigens with N-glycolylneuraminic acid in patients with porcine exposure history. Xenotransplantation, 2000, 7, 177-180.	1.6	30
39	Direct Substrate Delivery Into Mitochondrial Fissionâ€“Deficient Pancreatic Islets Rescues Insulin Secretion. Diabetes, 2017, 66, 1247-1257.	0.3	28
40	Pre-clinical evaluation of [68Ga]Ga-DO3A-VS-Cys40-Exendin-4 for imaging of insulinoma. Nuclear Medicine and Biology, 2014, 41, 471-476.	0.3	27
41	Positron Emission Tomography to Assess the Outcome of Intraportal Islet Transplantation. Diabetes, 2016, 65, 2482-2489.	0.3	27
42	Open Randomized Multicenter Study to Evaluate Safety and Efficacy of Low Molecular Weight Sulfated Dextran in Islet Transplantation. Transplantation, 2019, 103, 630-637.	0.5	27
43	[11C]5-hydroxy-tryptophan PET for Assessment of Islet Mass During Progression of Type 2 Diabetes. Diabetes, 2017, 66, 1286-1292.	0.3	26
44	The effect of macrophage depletion on delayed xenograft rejection: studies in the guinea pig-to-C6-deficient rat heart transplantation model. Xenotransplantation, 1999, 6, 262-270.	1.6	25
45	Enhanced Survival of Porcine Neural Xenografts in Mice Lacking CD1d1, But No Effect of NK1.1 Depletion. Cell Transplantation, 2001, 10, 295-304.	1.2	25
46	Purification of regulatory T cells with the use of a fully enclosed high-speed microfluidic system. Cytotherapy, 2014, 16, 1384-1389.	0.3	24
47	Human islet distribution programme for basic research: activity over the last 5Âyears. Diabetologia, 2015, 58, 1138-1140.	2.9	23
48	Survival of fetal porcine pancreatic islet tissue transplanted to a diabetic patient: Findings by ultrastructural immunocytochemistry. Xenotransplantation, 1998, 5, 222-225.	1.6	22
49	Heterogeneity of Human Pancreatic Islet Isolation Around Europe: Results of a Survey Study. Transplantation, 2020, 104, 190-196.	0.5	22
50	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.	2.9	19
51	Alternative splicing encodes functional intracellular CD59 isoforms that mediate insulin secretion and are down-regulated in diabetic islets. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	16
52	Xenograft rejection of fetal porcine islet-like cell clusters in the rat: effects of active and passive immunization. Xenotransplantation, 1999, 6, 271-280.	1.6	15
53	Toward clinical trials of islet xenotransplantation. Xenotransplantation, 2003, 10, 289-292.	1.6	15
54	Clostripain, the Missing Link in the Enzyme Blend for Efficient Human Islet Isolation. Transplantation Direct, 2015, 1, 1-6.	0.8	15

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55	The development of a GPR44 targeting radioligand [11C]AZ12204657 for in vivo assessment of beta cell mass. EJNMMI Research, 2018, 8, 113.	1.1	15
56	Pancreatic perfusion and subsequent response to glucose in healthy individuals and patients with type 1 diabetes. Diabetologia, 2016, 59, 1968-1972.	2.9	14
57	Interleukin-22 reverses human islet dysfunction and apoptosis triggered by hyperglycemia and LIGHT. Journal of Molecular Endocrinology, 2018, 60, 171-183.	1.1	13
58	Detection and quantification of beta cells by PET imaging: why clinical implementation has never been closer. Diabetologia, 2018, 61, 2516-2519.	2.9	13
59	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.	1.9	13
60	Characterization of host defense molecules in the human pancreas. Islets, 2019, 11, 89-101.	0.9	13
61	Perivascular Macrophages Regulate Blood Flow Following Tissue Damage. Circulation Research, 2021, 128, 1694-1707.	2.0	13
62	Cardiovascular side-effects and insulin secretion after intravenous administration of radiolabeled Exendin-4 in pigs. Nuclear Medicine and Biology, 2016, 43, 397-402.	0.3	12
63	Comparing the Effects of the mTOR Inhibitors Azithromycin and Rapamycin on In Vitro Expanded Regulatory T Cells. Cell Transplantation, 2019, 28, 1603-1613.	1.2	12
64	Mesoscopic 3D imaging of pancreatic cancer and Langerhans islets based on tissue autofluorescence. Scientific Reports, 2020, 10, 18246.	1.6	12
65	Transcriptional analysis of islets of Langerhans from organ donors of different ages. PLoS ONE, 2021, 16, e0247888.	1.1	12
66	An Apparent Deficiency of Lymphatic Capillaries in the Islets of Langerhans in the Human Pancreas. Diabetes, 2016, 65, 1004-1008.	0.3	11
67	Inhibition of the prostaglandin D2â€“GPR44/DP2 axis improves human islet survival and function. Diabetologia, 2020, 63, 1355-1367.	2.9	11
68	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, 242-247.	1.6	10
69	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.	1.1	10
70	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.	1.2	10
71	Synthesis and preclinical evaluation of the CRTH2 antagonist [11C]MK-7246 as a novel PET tracer and potential surrogate marker for pancreatic beta-cell mass. Nuclear Medicine and Biology, 2019, 71, 1-10.	0.3	10
72	Radiolabelling and positron emission tomography imaging of a high-affinity peptide binder to collagen type 1. Nuclear Medicine and Biology, 2021, 93, 54-62.	0.3	10

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73	US food and drug administration (FDA) panel endorses islet cell treatment for type 1 diabetes: A pyrrhic victory?. Transplant International, 2021, 34, 1182-1186.	0.8	10
74	Autologous regulatory T cells in clinical intraportal allogenic pancreatic islet transplantation. Transplant International, 2021, 34, 2816-2823.	0.8	10
75	Delayed type hypersensitivity-associated cytokines in islet xenotransplantation: limited efficacy of interleukin-2- and tumor necrosis factor-Î±-blockade in interferon-Î³ receptor-deficient mice. Xenotransplantation, 2000, 7, 206-213.	1.6	9
76	Aetiology of type 1 diabetes: Physiological growth in children affects disease progression. Diabetes, Obesity and Metabolism, 2018, 20, 775-785.	2.2	9
77	On the dynamics of the human endocrine pancreas and potential consequences for the development of type 1 diabetes. Acta Diabetologica, 2020, 57, 503-511.	1.2	9
78	3D imaging of human organs with micrometer resolution - applied to the endocrine pancreas. Communications Biology, 2021, 4, 1063.	2.0	9
79	Glial cell-line derived neurotrophic factor protects human islets from nutrient deprivation and endoplasmic reticulum stress induced apoptosis. Scientific Reports, 2017, 7, 1575.	1.6	8
80	Cost and clinical outcome of islet transplantation in Norway 2010â€2015. Clinical Transplantation, 2017, 31, e12871.	0.8	8
81	Longitudinal Assessment of 11C-5-Hydroxytryptophan Uptake in Pancreas After Debut of Type 1 Diabetes. Diabetes, 2021, 70, 966-975.	0.3	8
82	Discovery, optimization and biodistribution of an Affibody molecule for imaging of CD69. Scientific Reports, 2021, 11, 19151.	1.6	8
83	Intracellular sirolimus concentration is reduced by tacrolimus in human pancreatic islets inÂvitro. Transplant International, 2015, 28, 1152-1161.	0.8	7
84	Treatment with Tacrolimus and Sirolimus Reveals No Additional Adverse Effects on Human IsletsIn VitroCompared to Each Drug Alone but They Are Reduced by Adding Glucocorticoids. Journal of Diabetes Research, 2016, 2016, 1-9.	1.0	7
85	Comparison of Neutral Proteases and Collagenase Class I as Essential Enzymes for Human Islet Isolation. Transplantation Direct, 2016, 2, e47.	0.8	7
86	Pre-transplantation 31 P-magnetic resonance spectroscopy for quality assessment of human pancreatic grafts â€“ A feasibility study. Magnetic Resonance Imaging, 2017, 39, 98-102.	1.0	7
87	Calcium. Cell Transplantation, 2018, 27, 1031-1038.	1.2	7
88	A new in vitro model for the study of pig-to-human vascular hyperacute rejection. Xenotransplantation, 2001, 8, 176-184.	1.6	6
89	Multicenter Assessment of Animal-free Collagenase AF-1 for Human Islet Isolation. Cell Transplantation, 2017, 26, 1688-1693.	1.2	6
90	Large enteroviral vaccination studies to prevent type 1 diabetes should be well founded and rely on scientific evidence. Diabetologia, 2019, 62, 1097-1099.	2.9	6

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91	Comparison of Clostripain and Neutral Protease as Supplementary Enzymes for Human Islet Isolation. Cell Transplantation, 2019, 28, 176-184.	1.2	6
92	Histological and transcriptional characterization of the pancreatic acinar tissue in type 1 diabetes. BMJ Open Diabetes Research and Care, 2021, 9, e002076.	1.2	6
93	PET-CT imaging of pulmonary inflammation using [68Ga]Ga-DOTA-TATE. EJNMMI Research, 2022, 12, 19.	1.1	6
94	Graft function 1Âyear after pregnancy in an islet-transplanted patient. Transplant International, 2015, 28, 1235-1239.	0.8	5
95	Expression profiles of stress-related genes in islets from donors with progressively impaired glucose metabolism. Islets, 2018, 10, 69-79.	0.9	5
96	Islets for Research: Nothing Is Perfect, but We Can Do Better. Diabetes, 2019, 68, 1541-1543.	0.3	5
97	Proton MR spectroscopy of human pancreas allografts. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2019, 32, 511-517.	1.1	5
98	Imagining a better future for all people with type 1 diabetes mellitus. Nature Reviews Endocrinology, 2019, 15, 623-624.	4.3	5
99	The role of vitamin D in the aetiology of type 1 diabetes. Diabetologia, 2020, 63, 1279-1280.	2.9	5
100	PET Imaging of GPR44 by Antagonist [11C]MK-7246 in Pigs. Biomedicines, 2021, 9, 434.	1.4	5
101	Adenoviral CD40 Ligand Immunotherapy in 32 Canine Malignant Melanomasâ€“Long-Term Follow Up. Frontiers in Veterinary Science, 2021, 8, 695222.	0.9	5
102	Suppression of T cells results in long-term survival of mouse heart xenografts in C6-deficient rats. Xenotransplantation, 2001, 8, 303-309.	1.6	4
103	Detection of enterovirus in the islet cells of patients with type 1 diabetes: what do we learn from immunohistochemistry?. Diabetologia, 2014, 57, 645-646.	2.9	4
104	Quantifying the Effects of Different Neutral Proteases on Human Islet Integrity. Cell Transplantation, 2017, 26, 1733-1741.	1.2	4
105	Protein Kinase R Is Constitutively Expressed in the Human Pancreas. Journal of Histochemistry and Cytochemistry, 2019, 67, 99-105.	1.3	4
106	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.	2.9	3
107	Transcriptional profiles of human islet and exocrine endothelial cells in subjects with or without impaired glucose metabolism. Scientific Reports, 2020, 10, 22315.	1.6	3
108	Comment on Rodriguez-Calvo et al. Increase in Pancreatic Proinsulin and Preservation of Î²-Cell Mass in Autoantibody-Positive Donors Prior to Type 1 Diabetes Onset. Diabetes 2017;66:1334â€“1345. Diabetes, 2017, 66, e8-e9.	0.3	2

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109	Co-transplantation of human and pig islets. Xenotransplantation, 2008, 15, 112-112.	1.6	1
110	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.	1.2	0