Daniel Pipeleers

List of Publications by Year in Descending Order

49 papers	1,998 citations	23 h-index	44 g-index
50 ext. papers	2,146 ext. citations	4.6 avg, IF	4.1 L-index

#	Paper	IF	Citations
49	Lower beta cell yield from donor pancreases after controlled circulatory death prevented by shortening acirculatory warm ischemia time and by using IGL-1 cold preservation solution. *PLoS ONE*, **2021**, 16, e0251055	3.7	5
48	Formation of amyloid in encapsulated human pancreatic and human stem cell-generated beta cell implants. *American Journal of Transplantation*, **2021**, 21, 2090-2099	8.7	1
47	Use of hyperglycemic clamp to assess pancreatectomy and islet cell autotransplant in patient with heterotaxy syndrome and dorsal pancreas agenesis leading to chronic pancreatitis. *American Journal of Transplantation*, **2020**, 20, 3662-3666	8.7	1
46	Use of Culture to Reach Metabolically Adequate Beta-cell Dose by Combining Donor Islet Cell Isolates for Transplantation in Type 1 Diabetes Patients. *Transplantation*, **2020**, 104, e295-e302	1.8	1
45	Combined Analysis of GAD65, miR-375, and Unmethylated Insulin DNA Following Islet Transplantation in Patients With T1D. *Journal of Clinical Endocrinology and Metabolism*, **2019**, 104, 451-460	5.6	12
44	An analytical comparison of three immunoassay platforms for subpicomolar detection of protein biomarker GAD65. *PLoS ONE*, **2018**, 13, e0193670	3.7	14
43	Increase Functional ECell Mass in Subcutaneous Alginate Capsules With Porcine Prenatal Islet Cells but Loss With Human Adult Islet Cells. *Diabetes*, **2018**, 67, 2640-2649	0.9	10
42	Report of the Key Opinion Leaders Meeting on Stem Cell-derived Beta Cells. *Transplantation*, **2018**, 102, 1223-1229	1.8	47
41	Heterogeneity in the Beta-Cell Population: a Guided Search Into Its Significance in Pancreas and in Implants. *Current Diabetes Reports*, **2017**, 17, 86	5.6	20
40	Age and Early Graft Function Relate With Risk-Benefit Ratio of Allogenic Islet Transplantation Under Antithymocyte Globulin-Mycophenolate Mofetil-Tacrolimus Immune Suppression. *Transplantation*, **2017**, 101, 2218-2227	1.8	1
39	Immunogenicity of human embryonic stem cell-derived beta cells. *Diabetologia*, **2017**, 60, 126-133	10.3	32
38	Concise Review: Markers for Assessing Human Stem Cell-Derived Implants as ECell Replacement in Type 1 Diabetes. *Stem Cells Translational Medicine*, **2016**, 5, 1338-1344	6.9	7
37	Serum Cytokines as Biomarkers in Islet Cell Transplantation for Type 1 Diabetes. *PLoS ONE*, **2016**, 11, e0146649	3.7	9
36	Direct effect of glucocorticoids on glucose-activated adult rat Ecells increases their cell number and their functional mass for transplantation. *American Journal of Physiology - Endocrinology and Metabolism*, **2016**, 311, E698-E705	6	10
35	Boost for Alginate Encapsulation in Beta Cell Transplantation. *Trends in Endocrinology and Metabolism*, **2016**, 27, 247-248	8.8	15
34	Plasma GAD65, a Marker for Early ECell Loss After Intraportal Islet Cell Transplantation in Diabetic Patients. *Journal of Clinical Endocrinology and Metabolism*, **2015**, 100, 2314-21	5.6	17
33	Development of an Enhanced Sensitivity Bead-Based Immunoassay for Real-Time In Vivo Detection of Pancreatic ECell Death. *Endocrinology*, **2015**, 156, 4755-60	4.8	9

32	Composition and function of macroencapsulated human embryonic stem cell-derived implants: comparison with clinical human islet cell grafts. *American Journal of Physiology - Endocrinology and Metabolism*, **2014**, 307, E838-46	6	78
31	Early alteration of kidney function in nonuremic type 1 diabetic islet transplant recipients under tacrolimus-mycophenolate therapy. *Transplantation*, **2014**, 98, 451-7	1.8	8
30	Glucose regulates rat beta cell number through age-dependent effects on beta cell survival and proliferation. *PLoS ONE*, **2014**, 9, e85174	3.7	7
29	Combining MK626, a novel DPP-4 inhibitor, and low-dose monoclonal CD3 antibody for stable remission of new-onset diabetes in mice. *PLoS ONE*, **2014**, 9, e107935	3.7	16
28	Potential of protein phosphatase inhibitor 1 as biomarker of pancreatic Ecell injury in vitro and in vivo. *Diabetes*, **2013**, 62, 2683-8	0.9	24
27	Minimal functional Ecell mass in intraportal implants that reduces glycemic variability in type 1 diabetic recipients. *Diabetes Care*, **2013**, 36, 3483-8	14.6	23
26	Predictive factors of allosensitization after immunosuppressant withdrawal in recipients of long-term cultured islet cell grafts. *Transplantation*, **2013**, 96, 162-9	1.8	5
25	Glucose, regulator of survival and phenotype of pancreatic beta cells. *Vitamins and Hormones*, **2009**, 80, 507-39	2.5	22
24	Akt activation protects pancreatic beta cells from AMPK-mediated death through stimulation of mTOR. *Biochemical Pharmacology*, **2008**, 75, 1981-93	6	35
23	The beta cell population in type 1 diabetes. *Novartis Foundation Symposium*, **2008**, 292, 19-24; discussion 24-31, 122-9, 202-3		16
22	Comparison of sirolimus alone with sirolimus plus tacrolimus in type 1 diabetic recipients of cultured islet cell grafts. *Transplantation*, **2008**, 85, 256-63	1.8	28
21	Peroxisome proliferator-activated receptor alpha-retinoid X receptor agonists induce beta-cell protection against palmitate toxicity. *FEBS Journal*, **2007**, 274, 6094-105	5.7	42
20	Increased oxygen radical formation and mitochondrial dysfunction mediate beta cell apoptosis under conditions of AMP-activated protein kinase stimulation. *Free Radical Biology and Medicine*, **2007**, 42, 64-78	7.8	85
19	Specificity in beta cell expression of L-3-hydroxyacyl-CoA dehydrogenase, short chain, and potential role in down-regulating insulin release. *Journal of Biological Chemistry*, **2007**, 282, 21134-44	5.4	30
18	Correlation between beta cell mass and glycemic control in type 1 diabetic recipients of islet cell graft. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 17444-9	11.5	146
17	Xenotransplantation of purified pre-natal porcine beta cells in mice normalizes diabetes when a short anti-CD4-CD8 antibody treatment is combined with transient insulin injections. *Xenotransplantation*, **2006**, 13, 415-22	2.8	5
16	Feasibility, safety, and efficacy of percutaneous transhepatic injection of beta-cell grafts. *Journal of Vascular and Interventional Radiology*, **2005**, 16, 1693-7	2.4	26
15	Comparison of cellular and medium insulin and GABA content as markers for living beta-cells. *American Journal of Physiology - Endocrinology and Metabolism*, **2005**, 288, E307-13	6	18

14	Growth and functional maturation of beta-cells in implants of endocrine cells purified from prenatal porcine pancreas. *Diabetes*, **2005**, 54, 3387-94	0.9	22
13	Glucose suppresses superoxide generation in metabolically responsive pancreatic beta cells. *Journal of Biological Chemistry*, **2005**, 280, 20389-96	5.4	102
12	Human pancreatic duct cells exert tissue factor-dependent procoagulant activity: relevance to islet transplantation. *Diabetes*, **2004**, 53, 1407-11	0.9	37
11	Prolonged culture in low glucose induces apoptosis of rat pancreatic beta-cells through induction of c-myc. *Biochemical and Biophysical Research Communications*, **2003**, 312, 937-44	3.4	70
10	Glucose-regulated gene expression maintaining the glucose-responsive state of beta-cells. *Diabetes* , **2002**, 51 Suppl 3, S326-32	0.9	97
9	Critical role for cataplerosis via citrate in glucose-regulated insulin release. *Diabetes*, **2002**, 51, 2018-24	0.9	96
8	Endocytosis of low-density lipoprotein by human pancreatic beta cells and uptake in lipid-storing vesicles, which increase with age. *American Journal of Pathology*, **2000**, 156, 237-44	5.8	54
7	Cellular origin of hexokinase in pancreatic islets. *Journal of Biological Chemistry*, **1999**, 274, 32803-9	5.4	43
6	The changes in adenine nucleotides measured in glucose-stimulated rodent islets occur in beta cells but not in alpha cells and are also observed in human islets. *Journal of Biological Chemistry*, **1998**, 273, 33905-8	5.4	125
5	Metabolic fate of glucose in purified islet cells. Glucose-regulated anaplerosis in beta cells. *Journal of Biological Chemistry*, **1997**, 272, 18572-9	5.4	319
4	Damaged rat beta cells discharge glutamate decarboxylase in the extracellular medium. *Biochemical and Biophysical Research Communications*, **1996**, 228, 293-7	3.4	17
3	Proliferation and hypertrophy of liver cells surrounding islet grafts in diabetic recipient rats. *Hepatology*, **1995**, 21, 1144-1153	11.2	26
2	Pancreatic beta cells in insulin-dependent diabetes. *Diabetes/metabolism Reviews*, **1992**, 8, 209-27		112
1	Five cases of somatostatinoma: clinical heterogeneity and diagnostic usefulness of basal and tolbutamide-induced hypersomatostatinemia. *Journal of Clinical Endocrinology and Metabolism*, **1983**, 56, 1236-42	5.6	52