

# Domenico Bosco

## List of Publications by Citations

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156  
papers

7,600  
citations

49  
h-index

82  
g-index

163  
ext. papers

8,628  
ext. citations

5.9  
avg, IF

5.41  
L-index

#	Paper	IF	Citations
156	A map of open chromatin in human pancreatic islets. <i>Nature Genetics</i> , <b>2010</b> , 42, 255-9	36.3	435
155	Unique arrangement of alpha- and beta-cells in human islets of Langerhans. <i>Diabetes</i> , <b>2010</b> , 59, 1202-10	0.9	306
154	Sulfonylurea induced beta-cell apoptosis in cultured human islets. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2005</b> , 90, 501-6	5.6	267
153	Beta Cell Hubs Dictate Pancreatic Islet Responses to Glucose. <i>Cell Metabolism</i> , <b>2016</b> , 24, 389-401	24.6	248
152	Human bone marrow mesenchymal stem cells can express insulin and key transcription factors of the endocrine pancreas developmental pathway upon genetic and/or microenvironmental manipulation in vitro. <i>Stem Cells</i> , <b>2005</b> , 23, 594-603	5.8	231
151	Leptin modulates beta cell expression of IL-1 receptor antagonist and release of IL-1beta in human islets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 8138-43	11.5	211
150	The microRNA-200 family regulates pancreatic beta cell survival in type 2 diabetes. <i>Nature Medicine</i> , <b>2015</b> , 21, 619-27	50.5	183
149	Possible implications of insulin resistance and glucose metabolism in Alzheimer's disease pathogenesis. <i>Journal of Cellular and Molecular Medicine</i> , <b>2011</b> , 15, 1807-21	5.6	178
148	Lipotoxicity disrupts incretin-regulated human $\beta$ cell connectivity. <i>Journal of Clinical Investigation</i> , <b>2013</b> , 123, 4182-94	15.9	155
147	Extracellular matrix protects pancreatic beta-cells against apoptosis: role of short- and long-term signaling pathways. <i>Diabetes</i> , <b>2004</b> , 53, 2034-41	0.9	149
146	Cell-type, allelic, and genetic signatures in the human pancreatic beta cell transcriptome. <i>Genome Research</i> , <b>2013</b> , 23, 1554-62	9.7	140
145	Low concentration of interleukin-1beta induces FLICE-inhibitory protein-mediated beta-cell proliferation in human pancreatic islets. <i>Diabetes</i> , <b>2006</b> , 55, 2713-22	0.9	139
144	Homologous but not heterologous contact increases the insulin secretion of individual pancreatic B-cells. <i>Experimental Cell Research</i> , <b>1989</b> , 184, 72-80	4.2	137
143	Aging correlates with decreased beta-cell proliferative capacity and enhanced sensitivity to apoptosis: a potential role for Fas and pancreatic duodenal homeobox-1. <i>Diabetes</i> , <b>2006</b> , 55, 2455-62	0.9	133
142	Resveratrol potentiates glucose-stimulated insulin secretion in INS-1E beta-cells and human islets through a SIRT1-dependent mechanism. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 6049-60	5.4	131
141	Connexins: key mediators of endocrine function. <i>Physiological Reviews</i> , <b>2011</b> , 91, 1393-445	47.9	122
140	MicroRNAs contribute to compensatory $\beta$ cell expansion during pregnancy and obesity. <i>Journal of Clinical Investigation</i> , <b>2012</b> , 122, 3541-51	15.9	122

139	Junctional communication of pancreatic beta cells contributes to the control of insulin secretion and glucose tolerance. <i>Journal of Clinical Investigation</i> , <b>2000</b> , 106, 235-43	15.9	105
138	Diabetes relief in mice by glucose-sensing insulin-secreting human βcells. <i>Nature</i> , <b>2019</b> , 567, 43-48	50.4	104
137	Blockade of beta1 integrin-laminin-5 interaction affects spreading and insulin secretion of rat beta-cells attached on extracellular matrix. <i>Diabetes</i> , <b>2006</b> , 55, 1413-20	0.9	103
136	Bace2 is a βcell-enriched protease that regulates pancreatic βcell function and mass. <i>Cell Metabolism</i> , <b>2011</b> , 14, 365-77	24.6	102
135	Assessment of a novel two-component enzyme preparation for human islet isolation and transplantation. <i>Transplantation</i> , <b>2005</b> , 79, 91-7	1.8	97
134	Cx36 makes channels coupling human pancreatic beta-cells, and correlates with insulin expression. <i>Human Molecular Genetics</i> , <b>2009</b> , 18, 428-39	5.6	95
133	ADCY5 couples glucose to insulin secretion in human islets. <i>Diabetes</i> , <b>2014</b> , 63, 3009-21	0.9	91
132	Fibrogenic potential of human multipotent mesenchymal stromal cells in injured liver. <i>PLoS ONE</i> , <b>2009</b> , 4, e6657	3.7	91
131	Targeting GLP-1 receptor trafficking to improve agonist efficacy. <i>Nature Communications</i> , <b>2018</b> , 9, 1602	17.4	88
130	Spittlebugs as vectors of in olive orchards in Italy. <i>Journal of Pest Science</i> , <b>2017</b> , 90, 521-530	5.5	88
129	Dementia is associated with insulin resistance in patients with Parkinson's disease. <i>Journal of the Neurological Sciences</i> , <b>2012</b> , 315, 39-43	3.2	88
128	Increased and pathologic emperipolesis of neutrophils within megakaryocytes associated with marrow fibrosis in GATA-1(low) mice. <i>Blood</i> , <b>2004</b> , 104, 3573-80	2.2	88
127	Upregulation of connexin 26 between keratinocytes of psoriatic lesions. <i>Journal of Investigative Dermatology</i> , <b>1998</b> , 111, 72-6	4.3	87
126	Activation of NF-kappaB by extracellular matrix is involved in spreading and glucose-stimulated insulin secretion of pancreatic beta cells. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 30630-7	5.4	83
125	Islet transplantation versus insulin therapy in patients with type 1 diabetes with severe hypoglycaemia or poorly controlled glycaemia after kidney transplantation (TRIMECO): a multicentre, randomised controlled trial. <i>Lancet Diabetes and Endocrinology</i> , <b>2018</b> , 6, 527-537	18.1	83
124	Five-Year Metabolic, Functional, and Safety Results of Patients With Type 1 Diabetes Transplanted With Allogenic Islets Within the Swiss-French GRAGIL Network. <i>Diabetes Care</i> , <b>2015</b> , 38, 1714-22	14.6	82
123	Effects of insulinic therapy on cognitive impairment in patients with Alzheimer disease and diabetes mellitus type-2. <i>Journal of the Neurological Sciences</i> , <b>2010</b> , 288, 112-6	3.2	80
122	In vivo modulation of connexin 43 gene expression and junctional coupling of pancreatic B-cells. <i>Experimental Cell Research</i> , <b>1991</b> , 192, 469-80	4.2	78

121	Influence of donor age on islet isolation and transplantation outcome. <i>Transplantation</i> , <b>2011</b> , 91, 360-6	1.8	72
120	Actively synthesizing beta-cells secrete preferentially after glucose stimulation. <i>Endocrinology</i> , <b>1991</b> , 129, 3157-66	4.8	70
119	The major antigenic membrane protein of "Candidatus Phytoplasma asteris" selectively interacts with ATP synthase and actin of leafhopper vectors. <i>PLoS ONE</i> , <b>2011</b> , 6, e22571	3.7	68
118	Positron-emission tomography imaging of early events after transplantation of islets of Langerhans. <i>Transplantation</i> , <b>2005</b> , 79, 353-5	1.8	65
117	The Fas pathway is involved in pancreatic beta cell secretory function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 2861-6	11.5	64
116	Enhanced secretion of amylase from exocrine pancreas of connexin32-deficient mice. <i>Journal of Cell Biology</i> , <b>1998</b> , 141, 1267-75	7.3	61
115	Differential expression of E-cadherin at the surface of rat beta-cells as a marker of functional heterogeneity. <i>Journal of Endocrinology</i> , <b>2007</b> , 194, 21-9	4.7	59
114	Insulin-producing organoids engineered from islet and amniotic epithelial cells to treat diabetes. <i>Nature Communications</i> , <b>2019</b> , 10, 4491	17.4	57
113	Logistics and transplant coordination activity in the GRAGIL Swiss-French multicenter network of islet transplantation. <i>Transplantation</i> , <b>2005</b> , 79, 1200-5	1.8	56
112	Relative quantification of chrysanthemum yellows (16Sr I) phytoplasma in its plant and insect host using real-time polymerase chain reaction. <i>Molecular Biotechnology</i> , <b>2005</b> , 30, 117-28	3	55
111	Effects of n-alcohols on junctional coupling and amylase secretion of pancreatic acinar cells. <i>Journal of Cellular Physiology</i> , <b>1989</b> , 139, 147-56	7	53
110	Pancreatic and cellular clocks have distinct molecular properties and impact on islet hormone secretion and gene expression. <i>Genes and Development</i> , <b>2017</b> , 31, 383-398	12.6	52
109	Protein kinase A-dependent phosphorylation of GLUT2 in pancreatic beta cells. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 8075-81	5.4	52
108	Treatment of fulminant liver failure by transplantation of microencapsulated primary or immortalized xenogeneic hepatocytes. <i>Xenotransplantation</i> , <b>2005</b> , 12, 457-64	2.8	51
107	Incretin-modulated beta cell energetics in intact islets of Langerhans. <i>Molecular Endocrinology</i> , <b>2014</b> , 28, 860-71		47
106	Mesenchymal stem cells derived from human exocrine pancreas express transcription factors implicated in beta-cell development. <i>Pancreas</i> , <b>2008</b> , 37, 75-84	2.6	46
105	Cadherin engagement improves insulin secretion of single human beta cells. <i>Diabetes</i> , <b>2015</b> , 64, 887-96	0.9	45
104	Role of the Rho-ROCK (Rho-associated kinase) signaling pathway in the regulation of pancreatic beta-cell function. <i>Endocrinology</i> , <b>2009</b> , 150, 2072-9	4.8	41

103	Effect of microcapsule composition and short-term immunosuppression on intraportal biocompatibility. <i>Cell Transplantation</i> , <b>2005</b> , 14, 159-67	4	41
102	Type 2 diabetes susceptibility gene expression in normal or diabetic sorted human alpha and beta cells: correlations with age or BMI of islet donors. <i>PLoS ONE</i> , <b>2010</b> , 5, e11053	3.7	39
101	Islet autotransplantation after extended pancreatectomy for focal benign disease of the pancreas. <i>Transplantation</i> , <b>2011</b> , 91, 895-901	1.8	37
100	Rapamycin impairs proliferation of transplanted islet $\beta$ cells. <i>Transplantation</i> , <b>2011</b> , 91, 714-22	1.8	37
99	Expression and secretion of alpha1-proteinase inhibitor are regulated by proinflammatory cytokines in human pancreatic islet cells. <i>Diabetologia</i> , <b>2005</b> , 48, 1523-33	10.3	34
98	Sorcini Links Pancreatic $\beta$ Cell Lipotoxicity to ER $Ca^{2+}$ Stores. <i>Diabetes</i> , <b>2016</b> , 65, 1009-21	0.9	32
97	Assessment of human islet labeling with clinical grade iron nanoparticles prior to transplantation for graft monitoring by MRI. <i>Cell Transplantation</i> , <b>2010</b> , 19, 1573-85	4	32
96	LRH-1 agonism favours an immune-islet dialogue which protects against diabetes mellitus. <i>Nature Communications</i> , <b>2018</b> , 9, 1488	17.4	31
95	Hypoxia lowers SLC30A8/ZnT8 expression and free cytosolic $Zn^{2+}$ in pancreatic beta cells. <i>Diabetologia</i> , <b>2014</b> , 57, 1635-44	10.3	31
94	Clozapine for medication-related pathological gambling in Parkinson disease. <i>Movement Disorders</i> , <b>2010</b> , 25, 1994-5	7	31
93	Impairment of renal function after islet transplant alone or islet-after-kidney transplantation using a sirolimus/tacrolimus-based immunosuppressive regimen. <i>Transplant International</i> , <b>2005</b> , 18, 1226-30	3	31
92	Effect of the replacement of dietary vegetable oils with a low dose of extravirgin olive oil in the Mediterranean Diet on cognitive functions in the elderly. <i>Journal of Translational Medicine</i> , <b>2018</b> , 16, 10	8.5	30
91	Role of the major antigenic membrane protein in phytoplasma transmission by two insect vector species. <i>BMC Microbiology</i> , <b>2015</b> , 15, 193	4.5	30
90	Cadherin engagement protects human $\beta$ cells from apoptosis. <i>Endocrinology</i> , <b>2011</b> , 152, 4601-9	4.8	30
89	The liver receptor homolog-1 (LRH-1) is expressed in human islets and protects $\beta$ -cells against stress-induced apoptosis. <i>Human Molecular Genetics</i> , <b>2011</b> , 20, 2823-33	5.6	30
88	Slow potentials encode intercellular coupling and insulin demand in pancreatic beta cells. <i>Diabetologia</i> , <b>2015</b> , 58, 1291-9	10.3	29
87	Computer-assisted digital image analysis to quantify the mass and purity of isolated human islets before transplantation. <i>Transplantation</i> , <b>2008</b> , 86, 1603-9	1.8	29
86	Opioid antagonist naltrexone for the treatment of pathological gambling in Parkinson disease. <i>Clinical Neuropharmacology</i> , <b>2012</b> , 35, 118-20	1.4	28

85	Islet autotransplantation after left pancreatectomy for non-enucleable insulinoma. <i>American Journal of Transplantation</i> , <b>2003</b> , 3, 1302-7	8.7	27
84	A Targeted RNAi Screen Identifies Endocytic Trafficking Factors That Control GLP-1 Receptor Signaling in Pancreatic $\beta$ Cells. <i>Diabetes</i> , <b>2018</b> , 67, 385-399	0.9	26
83	Proteasome dysfunction mediates high glucose-induced apoptosis in rodent beta cells and human islets. <i>PLoS ONE</i> , <b>2014</b> , 9, e92066	3.7	26
82	Microbial surveillance during human pancreatic islet isolation. <i>Transplant International</i> , <b>2005</b> , 18, 584-9	3	26
81	Loss of alpha 1 connexin does not alter the prenatal differentiation of pancreatic beta cells and leads to the identification of another islet cell connexin. <i>Genesis</i> , <b>1999</b> , 24, 13-26		26
80	Inflammatory Chemokines MIP-1 $\alpha$ and MIP-3 $\alpha$ Are Involved in the Migration of Multipotent Mesenchymal Stromal Cells Induced by Hepatoma Cells. <i>Stem Cells and Development</i> , <b>2015</b> , 24, 1223-35	4.4	25
79	Losartan, an angiotensin II type 1 receptor blocker, protects human islets from glucotoxicity through the phospholipase C pathway. <i>FASEB Journal</i> , <b>2013</b> , 27, 5122-30	0.9	25
78	Macrophage migration inhibitory factor deficiency leads to age-dependent impairment of glucose homeostasis in mice. <i>Journal of Endocrinology</i> , <b>2010</b> , 206, 297-306	4.7	25
77	Comparative impact on islet isolation and transplant outcome of the preservation solutions Institut Georges Lopez-1, University of Wisconsin, and Celsior. <i>Transplantation</i> , <b>2012</b> , 93, 703-8	1.8	25
76	Differential acquisition of chrysanthemum yellows phytoplasma by three leafhopper species. <i>Entomologia Experimentalis Et Applicata</i> , <b>1997</b> , 83, 219-224	2.1	25
75	Variation in vector competency depends on chrysanthemum yellows phytoplasma distribution within <i>Euscelidius variegatus</i> . <i>Entomologia Experimentalis Et Applicata</i> , <b>2009</b> , 131, 200-207	2.1	24
74	Macrophage depletion prolongs discordant but not concordant islet xenograft survival. <i>Transplantation</i> , <b>2005</b> , 79, 543-9	1.8	24
73	Vector-pathogen-host plant relationships of chrysanthemum yellows (CY) phytoplasma and the vector leafhoppers <i>Macrosteles quadripunctulatus</i> and <i>Euscelidius variegatus</i> . <i>Entomologia Experimentalis Et Applicata</i> , <b>2001</b> , 99, 347-354	2.1	24
72	Diabetogenic milieus induce specific changes in mitochondrial transcriptome and differentiation of human pancreatic islets. <i>Human Molecular Genetics</i> , <b>2015</b> , 24, 5270-84	5.6	23
71	Impact of the number of infusions on 2-year results of islet-after-kidney transplantation in the GRAGIL network. <i>Transplantation</i> , <b>2011</b> , 92, 1031-8	1.8	23
70	Islet of Langerhans isolation from pediatric and juvenile donor pancreases. <i>Transplant International</i> , <b>2014</b> , 27, 949-55	3	22
69	Cell rearrangement in transplanted human islets. <i>FASEB Journal</i> , <b>2016</b> , 30, 748-60	0.9	21
68	Survival of free and encapsulated human and rat islet xenografts transplanted into the mouse bone marrow. <i>PLoS ONE</i> , <b>2014</b> , 9, e91268	3.7	21

67	Pancreatic magnetic resonance imaging after manganese injection distinguishes type 2 diabetic and normoglycemic patients. <i>Islets</i> , <b>2012</b> , 4, 243-8	2	21
66	Molecular and morphological modifications occurring in rat heart exposed to intermittent hypoxia: role for protein kinase C alpha. <i>Experimental Gerontology</i> , <b>2004</b> , 39, 395-405	4.5	21
65	Kidney-pancreas transplantation in a long-term non-progressor HIV-infected recipient. <i>American Journal of Transplantation</i> , <b>2003</b> , 3, 631-3	8.7	21
64	Impact of legumes and plant proteins consumption on cognitive performances in the elderly. <i>Journal of Translational Medicine</i> , <b>2017</b> , 15, 109	8.5	20
63	Insulin resistance increases risk of carpal tunnel syndrome: a case-control study. <i>Journal of the Peripheral Nervous System</i> , <b>2011</b> , 16, 186-90	4.7	20
62	Anti-CD154 mAb treatment but not recipient CD154 deficiency leads to long-term survival of xenogeneic islet grafts. <i>American Journal of Transplantation</i> , <b>2005</b> , 5, 1021-31	8.7	20
61	NLRP3 inflammasome is expressed and regulated in human islets. <i>Cell Death and Disease</i> , <b>2018</b> , 9, 726	9.8	20
60	Insulin resistance possible risk factor for cognitive impairment in fibromyalgic patients. <i>Metabolic Brain Disease</i> , <b>2013</b> , 28, 619-27	3.9	18
59	Hyperinsulinemia-induced hypoglycemia is enhanced by overexpression of connexin 43. <i>Endocrinology</i> , <b>1997</b> , 138, 2879-85	4.8	18
58	Reconstructing islet function in vitro. <i>Advances in Experimental Medicine and Biology</i> , <b>1997</b> , 426, 285-98	3.6	18
57	Shielding islets with human amniotic epithelial cells enhances islet engraftment and revascularization in a murine diabetes model. <i>American Journal of Transplantation</i> , <b>2020</b> , 20, 1551-1561	8.7	17
56	Characterization of putative membrane protein genes of the <i>Candidatus Phytoplasma asteris</i> R chrysanthemum yellows isolate. <i>Canadian Journal of Microbiology</i> , <b>2008</b> , 54, 341-51	3.2	17
55	Chronic fructose renders pancreatic $\beta$ cells hyper-responsive to glucose-stimulated insulin secretion through extracellular ATP signaling. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2019</b> , 317, E25-E41	6	16
54	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
53	Regulated laminin-332 expression in human islets of Langerhans. <i>FASEB Journal</i> , <b>2009</b> , 23, 4046-55	0.9	16
52	Tetracycline-regulated expression of VEGF-A in beta cells induces angiogenesis: improvement of engraftment following transplantation. <i>Cell Transplantation</i> , <b>2006</b> , 15, 621-36	4	16
51	DNA-based methods for the detection and the identification of phytoplasmas in insect vector extracts. <i>Molecular Biotechnology</i> , <b>2002</b> , 22, 9-18	3	16
50	Heterogeneity and contact-dependent regulation of amylase release by individual acinar cells. <i>Journal of Cellular Physiology</i> , <b>1994</b> , 160, 378-88	7	16

49	Glucose metabolism in the idiopathic blepharoptosis: utility of the Oral Glucose Tolerance Test (OGTT) and of the Insulin Resistance Index. <i>Journal of the Neurological Sciences</i> , <b>2009</b> , 284, 24-8	3.2	15
48	Transplantation of discordant xenogeneic islets using repeated therapy with anti-CD154. <i>Transplantation</i> , <b>2005</b> , 79, 1545-52	1.8	15
47	Enhancement of islet engraftment and achievement of long-term islet allograft survival by Toll-like receptor 4 blockade. <i>Transplantation</i> , <b>2015</b> , 99, 29-35	1.8	14
46	Calcineurin inhibitor-free immunosuppressive regimen in type 1 diabetes patients receiving islet transplantation: single-group phase 1/2 trial. <i>Transplantation</i> , <b>2014</b> , 98, 1301-9	1.8	14
45	Transient Expression in Islets During Pregnancy Correlates With $\beta$ Cell Survival, Revealing a Novel Candidate Gene in Gestational Diabetes Mellitus. <i>Diabetes</i> , <b>2019</b> , 68, 109-118	0.9	14
44	Pancreas preservation fluid microbial contamination is associated with poor islet isolation outcomes - a multi-centre cohort study. <i>Transplant International</i> , <b>2018</b> , 31, 917-929	3	13
43	A Simple High Efficiency Intra-Islet Transduction Protocol Using Lentiviral Vectors. <i>Current Gene Therapy</i> , <b>2015</b> , 15, 436-46	4.3	13
42	Quantification of islet loss and graft functionality during immune rejection by 3-tesla MRI in a rat model. <i>Transplantation</i> , <b>2013</b> , 96, 438-44	1.8	13
41	Intra-portal injection of 400- $\mu$ m microcapsules in a large-animal model. <i>Transplant International</i> , <b>2003</b> , 16, 405-410	3	13
40	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
39	Generation of insulin-secreting organoids: a step toward engineering and transplanting the bioartificial pancreas. <i>Transplant International</i> , <b>2020</b> , 33, 1577-1588	3	12
38	Gambling disorder during dopamine replacement treatment in Parkinson's disease: a comprehensive review. <i>BioMed Research International</i> , <b>2014</b> , 2014, 728038	3	10
37	Intra-portal injection of 400- $\mu$ m microcapsules in a large-animal model. <i>Transplant International</i> , <b>2003</b> , 16, 405-10	3	10
36	Engineering of Primary Pancreatic Islet Cell Spheroids for Three-dimensional Culture or Transplantation: A Methodological Comparative Study. <i>Cell Transplantation</i> , <b>2020</b> , 29, 9636897209372924		10
35	Toll-like receptor 4 inhibition prevents autoimmune diabetes in NOD mice. <i>Scientific Reports</i> , <b>2019</b> , 9, 19350	4.9	10
34	Dynamic Uni- and Multicellular Patterns Encode Biphasic Activity in Pancreatic Islets. <i>Diabetes</i> , <b>2021</b> , 70, 878-888	0.9	9
33	Cognitive impairment is correlated with insulin resistance degree: the "PA-NICO-study". <i>Metabolic Brain Disease</i> , <b>2017</b> , 32, 799-810	3.9	8
32	Role of impaired glucose metabolism in the postherpetic neuralgia. <i>Clinical Journal of Pain</i> , <b>2013</b> , 29, 733-6	3.5	8



31	Immunomodulation by blockade of the TRANCE co-stimulatory pathway in murine allogeneic islet transplantation. <i>Transplant International</i> , <b>2009</b> , 22, 931-9	3	8
30	Prevalence of Flavescence Dorée Phytoplasma-Infected in Different Vineyard Agroecosystems of Northwestern Italy. <i>Insects</i> , <b>2020</b> , 11,	2.8	7
29	Macrophage migration inhibitory factor regulates TLR4 expression and modulates TCR/CD3-mediated activation in CD4+ T lymphocytes. <i>Scientific Reports</i> , <b>2019</b> , 9, 9380	4.9	7
28	Selection of reference genes from two leafhopper species challenged by phytoplasma infection, for gene expression studies by RT-qPCR. <i>BMC Research Notes</i> , <b>2013</b> , 6, 409	2.3	7
27	Asymmetrical distribution of $\delta$ and PP cells in human pancreatic islets. <i>Journal of Endocrinology</i> , <b>2016</b> , 229, 123-32	4.7	6
26	Activation of Nicotinic Acetylcholine Receptors Decreases Apoptosis in Human and Female Murine Pancreatic Islets. <i>Endocrinology</i> , <b>2016</b> , 157, 3800-3808	4.8	6
25	Note: A comparison of molecular diagnostic procedures for the detection of aster yellows phytoplasmas (16Sr-I) in leafhopper vectors. <i>Phytoparasitica</i> , <b>2004</b> , 32, 141-145	1.5	5
24	Ultrastructural modifications and phosphatidylinositol-3-kinase expression and activity in myocardial tissue deriving from rats in different experimental conditions. <i>Cell Structure and Function</i> , <b>2001</b> , 26, 87-93	2.2	5
23	Potential role of the alien planthopper <i>Ricania speculum</i> as vector of Flavescence dorée phytoplasma. <i>European Journal of Plant Pathology</i> , <b>2019</b> , 154, 1103-1110	2.1	4
22	NLRP3 Inflammasome is Activated in Rat Pancreatic Islets by Transplantation and Hypoxia. <i>Scientific Reports</i> , <b>2020</b> , 10, 7011	4.9	4
21	Islets for Research: Nothing Is Perfect, but We Can Do Better. <i>Diabetes</i> , <b>2019</b> , 68, 1541-1543	0.9	4
20	Isolation of TPO-dependent subclones from the multipotent 32D cell line. <i>Blood Cells, Molecules, and Diseases</i> , <b>2005</b> , 35, 241-52	2.1	4
19	Hyperinsulinemia-Induced Hypoglycemia Is Enhanced by Overexpression of Connexin 43		4
18	Impact of ischemia time on islet isolation success and posttransplantation outcomes: A retrospective study of 452 pancreas isolations. <i>American Journal of Transplantation</i> , <b>2021</b> , 21, 1493-1502	8.7	4
17	Differential response to hepatic differentiation stimuli of amniotic epithelial cells isolated from four regions of the amniotic membrane. <i>Journal of Cellular and Molecular Medicine</i> , <b>2020</b> , 24, 4350-4355	5.6	3
16	Beta-Cell-Specific Expression of Nicotinamide Adenine Dinucleotide Phosphate Oxidase 5 Aggravates High-Fat Diet-Induced Impairment of Islet Insulin Secretion in Mice. <i>Antioxidants and Redox Signaling</i> , <b>2020</b> , 32, 618-635	8.4	3
15	Communication of Islet Cells: Molecules and Functions. <i>Growth Hormone</i> , <b>2001</b> , 143-163		3
14	Endocrine secretory reserve and proinsulin processing in recipients of islet of langerhans versus whole pancreas transplants. <i>Diabetes Care</i> , <b>2013</b> , 36, 3726-31	14.6	2

13	Assessing Release of Secretory Products from Individual Cells <b>1998</b> , 197-216		2
12	Assessment of plasma microvesicles to monitor pancreatic islet graft dysfunction: Beta cell- and leukocyte-derived microvesicles as specific features in a pilot longitudinal study. <i>American Journal of Transplantation</i> , <b>2020</b> , 20, 40-51	8.7	2
11	Syndecan-4 is regulated by IL-1 $\beta$ in $\beta$ cells and human islets. <i>Molecular and Cellular Endocrinology</i> , <b>2020</b> , 510, 110815	4.4	2
10	Susceptibility to flavescence dor $\acute{e}$ of different <i>Vitis vinifera</i> genotypes from north-western Italy. <i>Plant Pathology</i> , <b>2021</b> , 70, 511-520	2.8	2
9	Silencing of ATP synthase $\beta$ reduces phytoplasma multiplication in a leafhopper vector. <i>Journal of Insect Physiology</i> , <b>2021</b> , 128, 104176	2.4	2
8	Scaphoideus titanus Ball feeding behaviour on three grapevine cultivars with different susceptibilities to Flavescence dor $\acute{e}$ .. <i>Journal of Insect Physiology</i> , <b>2022</b> , 137, 104366	2.4	1
7	Pancreas collagen digestion during islet of Langerhans isolation-a prospective study. <i>Transplant International</i> , <b>2020</b> , 33, 1516-1528	3	1
6	Failure mode and effect analysis in human islet isolation: from the theoretical to the practical risk. <i>Islets</i> , <b>2021</b> , 13, 1-9	2	1
5	Impact of anti-insulin antibodies on islet transplantation outcome: data from the GRAGIL Network. <i>Transplantation</i> , <b>2014</b> , 98, 475-82	1.8	0
4	Bio-Engineering of Pre-Vascularized Islet Organoids for the Treatment of Type 1 Diabetes.. <i>Transplant International</i> , <b>2021</b> , 35, 10214	3	0
3	Ten-year outcomes of islet transplantation in patients with type 1 diabetes: Data from the Swiss-French GRAGIL network. <i>American Journal of Transplantation</i> , <b>2021</b> , 21, 3725-3733	8.7	0
2	Dementia and Insulin Resistance <b>2015</b> , 403-412		
1	Loss of cell-cell and cell-substrate contacts in single pancreatic $\beta$ cells divert insulin release to intracellular vesicular compartments. <i>Biology of the Cell</i> , <b>2020</b> , 112, 427-438	3.5	