

Jonathan R T Lakey

List of Publications by Year in descending order

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papers

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9507
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#	ARTICLE	IF	CITATIONS
1	Islet Transplantation in Seven Patients with Type 1 Diabetes Mellitus Using a Glucocorticoid-Free Immunosuppressive Regimen. <i>New England Journal of Medicine</i> , 2000, 343, 230-238.	27.0	4,772
2	International Trial of the Edmonton Protocol for Islet Transplantation. <i>New England Journal of Medicine</i> , 2006, 355, 1318-1330.	27.0	1,754
3	Five-Year Follow-Up After Clinical Islet Transplantation. <i>Diabetes</i> , 2005, 54, 2060-2069.	0.6	1,489
4	Hepatitis C virus replication in mice with chimeric human livers. <i>Nature Medicine</i> , 2001, 7, 927-933.	30.7	818
5	Successful Islet Transplantation: Continued Insulin Reserve Provides Long-Term Glycemic Control. <i>Diabetes</i> , 2002, 51, 2148-2157.	0.6	701
6	Stem Cell-Derived Exosomes as Nanotherapeutics for Autoimmune and Neurodegenerative Disorders. <i>ACS Nano</i> , 2019, 13, 6670-6688.	14.6	341
7	VARIABLES IN ORGAN DONORS THAT AFFECT THE RECOVERY OF HUMAN ISLETS OF LANGERHANS1. Transplantation, 1996, 61, 1047-1053.	1.0	280
8	A Novel Approach to Increase Human Islet Cell Mass While Preserving β -Cell Function. <i>Diabetes</i> , 2002, 51, 3435-3439.	0.6	207
9	Beta-cell differentiation from nonendocrine epithelial cells of the adult human pancreas. <i>Nature Medicine</i> , 2006, 12, 310-316.	30.7	207
10	Islet Graft Assessment in the Edmonton Protocol: Implications for Predicting Long-Term Clinical Outcome. <i>Diabetes</i> , 2004, 53, 3107-3114.	0.6	197
11	Intraductal Collagenase Delivery into the Human Pancreas Using Syringe Loading or Controlled Perfusion. <i>Cell Transplantation</i> , 1999, 8, 285-292.	2.5	195
12	Insulin-stimulated Insulin Secretion in Single Pancreatic Beta Cells. <i>Journal of Biological Chemistry</i> , 1999, 274, 6360-6365.	3.4	194
13	Combination Therapy with Epidermal Growth Factor and Gastrin Induces Neogenesis of Human Islet β -Cells from Pancreatic Duct Cells and an Increase in Functional β -Cell Mass. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005, 90, 3401-3409.	3.6	183
14	β -Score: An assessment of β -cell function after islet transplantation. <i>Diabetes Care</i> , 2005, 28, 343-347.	8.6	157
15	Expansion of mesenchymal stem cells from human pancreatic ductal epithelium. <i>Laboratory Investigation</i> , 2006, 86, 141-153.	3.7	157
16	Prevalence of Hepatic Steatosis After Islet Transplantation and Its Relation to Graft Function. <i>Diabetes</i> , 2004, 53, 1311-1317.	0.6	148
17	Intrahepatic Islet Transplantation in Type 1 Diabetic Patients Does Not Restore Hypoglycemic Hormonal Counterregulation or Symptom Recognition After Insulin Independence. <i>Diabetes</i> , 2002, 51, 3428-3434.	0.6	140
18	A human β -cell line for transplantation therapy to control type 1 diabetes. <i>Nature Biotechnology</i> , 2005, 23, 1274-1282.	17.5	132

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19	Portal venous pressure changes after sequential clinical islet transplantation. <i>Transplantation</i> , 2002, 74, 913-915.	1.0	131
20	Strategic Opportunities in Clinical Islet Transplantation. <i>Transplantation</i> , 2005, 79, 1304-1307.	1.0	121
21	Percutaneous Transhepatic Pancreatic Islet Cell Transplantation in Type 1 Diabetes Mellitus: Radiologic Aspects. <i>Radiology</i> , 2003, 229, 165-170.	7.3	120
22	The Portal Immunosuppressive Storm. <i>Therapeutic Drug Monitoring</i> , 2005, 27, 35-37.	2.0	117
23	Human islet transplantation from pancreases with prolonged cold ischemia using additional preservation by the two-layer (UW solution/perfluorochemical) cold-storage method. <i>Transplantation</i> , 2002, 74, 1687-1691.	1.0	113
24	XIAP Overexpression in Human Islets Prevents Early Posttransplant Apoptosis and Reduces the Islet Mass Needed to Treat Diabetes. <i>Diabetes</i> , 2005, 54, 2541-2548.	0.6	102
25	Islet and Stem Cell Encapsulation for Clinical Transplantation. <i>Review of Diabetic Studies</i> , 2014, 11, 84-101.	1.3	97
26	Cryopreservation: An Overview of Principles and Cell-Specific Considerations. <i>Cell Transplantation</i> , 2021, 30, 096368972199961.	2.5	97
27	HUMAN PANCREAS PRESERVATION PRIOR TO ISLET ISOLATION. <i>Transplantation</i> , 1995, 59, 689-694.	1.0	94
28	Decellularization reduces the immune response to aortic valve allografts in the rat. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2005, 130, 469-476.	0.8	93
29	The Standardization of Pancreatic Donors for Islet Isolations. <i>Transplantation</i> , 2005, 80, 801-806.	1.0	90
30	Technical aspects of islet preparation and transplantation. <i>Transplant International</i> , 2003, 16, 613-632.	1.6	89
31	PORTAL VEIN THROMBOSIS AFTER TRANSPLANTATION OF PARTIALLY PURIFIED PANCREATIC ISLETS IN A COMBINED HUMAN LIVER/ISLET ALLOGRAFT. <i>Transplantation</i> , 1995, 59, 1060-1063.	1.0	86
32	Effects of Intravesicular H ⁺ and Extracellular H ⁺ and Zn ²⁺ on Insulin Secretion in Pancreatic Beta Cells. <i>Journal of Biological Chemistry</i> , 1997, 272, 31308-31314.	3.4	82
33	Islet Isolation and Transplantation Outcomes of Pancreas Preserved with University of Wisconsin Solution Versus Two-Layer Method Using Preoxygenated Perfluorocarbon. <i>Transplantation</i> , 2006, 82, 1286-1290.	1.0	82
34	Activation and expression of ERK, JNK, and p38 MAP-kinases in isolated islets of Langerhans: implications for cultured islet survival. <i>FEBS Letters</i> , 1999, 455, 203-208.	2.8	79
35	Synaptosome-Associated Protein of 25 Kilodaltons Modulates Kv2.1 Voltage-Dependent K ⁺ Channels in Neuroendocrine Islet β^2 -Cells through an Interaction with the Channel N Terminus. <i>Molecular Endocrinology</i> , 2002, 16, 2452-2461.	3.7	79
36	Peroxynitrite Is a Mediator of Cytokine-Induced Destruction of Human Pancreatic Islet β^2 Cells. <i>Laboratory Investigation</i> , 2001, 81, 1683-1692.	3.7	78

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37	SERINE-PROTEASE INHIBITION DURING ISLET ISOLATION INCREASES ISLET YIELD FROM HUMAN PANCREASES WITH PROLONGED ISCHEMIA ¹ . <i>Transplantation</i> , 2001, 72, 565-570.	1.0	74
38	Effect of core pancreas temperature during cadaveric procurement on human islet isolation and functional viability ¹ . <i>Transplantation</i> , 2002, 73, 1106-1110.	1.0	74
39	Clinical islet transplant: current and future directions towards tolerance. <i>Immunological Reviews</i> , 2003, 196, 219-236.	6.0	73
40	Preclinical Development of the Islet Sheet. <i>Annals of the New York Academy of Sciences</i> , 2001, 944, 252-266.	3.8	73
41	SURVIVAL AND FUNCTION OF PURIFIED ISLETS IN THE OMENTAL POUCH SITE OF OUTBRED DOGS. <i>Transplantation</i> , 1993, 56, 524-529.	1.0	71
42	Allogeneic and Xenogeneic Transplantation of Cryopreserved Ovarian Tissue to Athymic Mice ¹ . <i>Biology of Reproduction</i> , 1997, 57, 226-231.	2.7	68
43	Combination Therapy with Glucagon-Like Peptide-1 and Gastrin Induces β -Cell Neogenesis from Pancreatic Duct Cells in Human Islets Transplanted in Immunodeficient Diabetic Mice. <i>Cell Transplantation</i> , 2008, 17, 631-640.	2.5	67
44	Factors Influencing the Collagenase Digestion Phase of Human Islet Isolation. <i>Transplantation</i> , 2007, 83, 7-12.	1.0	64
45	Estrogen Can Prevent or Reverse Obesity and Diabetes in Mice Expressing Human Islet Amyloid Polypeptide. <i>Diabetes</i> , 2002, 51, 2158-2169.	0.6	63
46	Enhancing the Success of Human Islet Isolation Through Optimization and Characterization of Pancreas Dissociation Enzyme. <i>American Journal of Transplantation</i> , 2007, 7, 1233-1241.	4.7	62
47	Changes in liver enzymes after clinical islet transplantation ¹ . <i>Transplantation</i> , 2003, 76, 1280-1284.	1.0	60
48	PROLONGATION OF CANINE PANCREATIC ISLET ALLOGRAFT SURVIVAL WITH COMBINED RAPAMYCIN AND CYCLOSPORINE THERAPY AT LOW DOSES. <i>Transplantation</i> , 1993, 56, 1293-1298.	1.0	59
49	Preservation of the human pancreas before islet isolation using a two-layer (LW) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 262 T	1.0	59
50	PHARMACODYNAMIC ASSESSMENT OF MYCOPHENOLIC ACID-INDUCED IMMUNOSUPPRESSION BY MEASUREMENT OF INOSINE MONOPHOSPHATE DEHYDROGENASE ACTIVITY IN A CANINE MODEL. <i>Transplantation</i> , 1996, 61, 87-92.	1.0	58
51	Encapsulated Islet Transplantation: Strategies and Clinical Trials. <i>Immune Network</i> , 2013, 13, 235.	3.6	57
52	The Efficacy And Toxicity Of Rapamycin In Murine Islet Transplantation. <i>Transplantation</i> , 1993, 56, 1137-1141.	1.0	56
53	Quantitative Assessment of Collagenase Blends for Human Islet Isolation. <i>Transplantation</i> , 2005, 80, 723-728.	1.0	56
54	Assessment of Glycemic Control After Islet Transplantation Using the Continuous Glucose Monitor in Insulin-Independent Versus Insulin-Requiring Type 1 Diabetes Subjects. <i>Diabetes Technology and Therapeutics</i> , 2006, 8, 165-173.	4.4	56

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55	Use of an allograft patch in repair of hypoplastic left heart syndrome may complicate future transplantation. <i>European Journal of Cardio-thoracic Surgery</i> , 2005, 27, 554-560.	1.4	53
56	Sirolimus-Induced Ulceration of the Small Bowel in Islet Transplant Recipients: Report of Two Cases. <i>American Journal of Transplantation</i> , 2005, 5, 2799-2804.	4.7	50
57	The Efficacy of a Prevascularized, Retrievable Poly(D,L-lactide-co- μ -caprolactone) Subcutaneous Scaffold as Transplantation Site for Pancreatic Islets. <i>Transplantation</i> , 2017, 101, e112-e119.	1.0	50
58	The Determination of Membrane Permeability Coefficients of Canine Pancreatic Islet Cells and Their Application to Islet Cryopreservation. <i>Cryobiology</i> , 1997, 35, 1-13.	0.7	48
59	Short-Term Storage of the Ischemically Damaged Human Pancreas by the Two-Layer Method Prior to Islet Isolation. <i>Cell Transplantation</i> , 2004, 13, 67-73.	2.5	48
60	THE METABOLIC IMPACT OF RAPAMYCIN (SIROLIMUS) IN CHRONIC CANINE ISLET GRAFT RECIPIENTS ¹ . <i>Transplantation</i> , 1996, 61, 1206-1210.	1.0	48
61	NOVEL APPROACHES TOWARD EARLY DIAGNOSIS OF ISLET ALLOGRAFT REJECTION ¹ . <i>Transplantation</i> , 2001, 71, 1709-1718.	1.0	47
62	Modulation of Gut Microbiota by Low Methoxyl Pectin Attenuates Type 1 Diabetes in Non-obese Diabetic Mice. <i>Frontiers in Immunology</i> , 2019, 10, 1733.	4.8	47
63	Modulation of JNK and p38 Stress Activated Protein Kinases In Isolated Islets of Langerhans. <i>Annals of Surgery</i> , 2001, 233, 124-133.	4.2	46
64	In Vitro Maturation of Viable Islets from Partially Digested Young Pig Pancreas. <i>Cell Transplantation</i> , 2014, 23, 263-272.	2.5	46
65	Evaluation of a Purified Enzyme Blend for the Recovery and Function of Canine Pancreatic Islets. <i>Cell Transplantation</i> , 1998, 7, 365-372.	2.5	44
66	Comparison of Amperometric Methods for Detection of Exocytosis from Single Pancreatic β -Cells of Different Species. <i>Analytical Chemistry</i> , 1999, 71, 5551-5556.	6.5	44
67	Proapoptotic bax is hyperexpressed in isolated human islets compared with antiapoptotic bcl-21. <i>Transplantation</i> , 2002, 74, 1489-1496.	1.0	44
68	Estimation of Pancreas Weight from Donor Variables. <i>Cell Transplantation</i> , 2006, 15, 181-185.	2.5	43
69	Mesenchymal stem cell dysfunction in diabetes. <i>Molecular Biology Reports</i> , 2019, 46, 1459-1475.	2.3	42
70	Technical aspects of islet preparation and transplantation. <i>Transplant International</i> , 2003, 16, 613-632.	1.6	41
71	Bacteremia due to Transplantation of Contaminated Cryopreserved Pancreatic Islets. <i>Cell Transplantation</i> , 1994, 3, 103-106.	2.5	40
72	Islet Auto-Transplantation into an Omental or Splenic Site Results in a Normal Beta Cell but Abnormal Alpha Cell Response to Mild Non-Insulin-Induced Hypoglycemia. <i>American Journal of Transplantation</i> , 2005, 5, 2368-2377.	4.7	39

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73	GPR54 peptide agonists stimulate insulin secretion from murine, porcine and human islets. <i>Islets</i> , 2012, 4, 20-23.	1.8	39
74	Immunological Challenges Facing Translation of Alginate Encapsulated Porcine Islet Xenotransplantation to Human Clinical Trials. <i>Methods in Molecular Biology</i> , 2017, 1479, 305-333.	0.9	38
75	Islet Cryopreservation Using Intracellular Preservation Solutions. <i>Cell Transplantation</i> , 2001, 10, 583-589.	2.5	36
76	Evaluation of Pefabloc as a serine protease inhibitor during human-islet isolation. <i>Transplantation</i> , 2003, 75, 462-466.	1.0	36
77	NOVEL APPROACHES TO CRYOPRESERVATION OF HUMAN PANCREATIC ISLETS ¹ . <i>Transplantation</i> , 2001, 72, 1005-1011.	1.0	36
78	Osmotic Behavior and Transport Properties of Human Islets in a Dimethyl Sulfoxide Solution. <i>Cryobiology</i> , 1997, 35, 230-239.	0.7	35
79	The Use of an Approved Biodegradable Polymer Scaffold as a Solid Support System for Improvement of Islet Engraftment. <i>Artificial Organs</i> , 2008, 32, 990-993.	1.9	35
80	Function and Viability of Human Islets Encapsulated in Alginate Sheets: In Vitro and in Vivo Culture. <i>Transplantation Proceedings</i> , 2011, 43, 3265-3266.	0.6	34
81	Toll-like receptor 2-modulating pectin-polymers in alginate-based microcapsules attenuate immune responses and support islet-xenograft survival. <i>Biomaterials</i> , 2021, 266, 120460.	11.4	34
82	Ameliorating Injury during Preservation and Isolation of Human Islets Using the Two-Layer Method with Perfluorocarbon and UW Solution. <i>Cell Transplantation</i> , 2006, 15, 187-194.	2.5	33
83	Pancreas Divisum: A Study of the Cadaveric Donor Pancreas for Islet Isolation. <i>Pancreas</i> , 2005, 30, 325-327.	1.1	32
84	Systematic review of islet cryopreservation. <i>Islets</i> , 2018, 10, 40-49.	1.8	32
85	Human islet mass, morphology, and survival after cryopreservation using the Edmonton protocol. <i>Islets</i> , 2013, 5, 188-195.	1.8	31
86	Stem cell sources for clinical islet transplantation in type 1 diabetes: Embryonic and adult stem cells. <i>Medical Hypotheses</i> , 2006, 67, 909-913.	1.5	28
87	Physiologic Doses of Bilirubin Contribute to Tolerance of Islet Transplants by Suppressing the Innate Immune Response. <i>Cell Transplantation</i> , 2017, 26, 11-21.	2.5	28
88	Defining optimal immunosuppression for islet transplantation based on reduced diabetogenicity in canine islet autografts. <i>Transplantation</i> , 2002, 74, 1522-1528.	1.0	27
89	Preserving the mucosal barrier during small bowel storage ¹ . <i>Transplantation</i> , 2003, 76, 911-917.	1.0	27
90	Pancreatic Islet Autotransplantation With Completion Pancreatectomy in the Management of Uncontrolled Pancreatic Fistula After Whipple Resection for Ampullary Adenocarcinoma. <i>Pancreas</i> , 2006, 32, 430-431.	1.1	27

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91	Current Status of Islet Encapsulation. <i>Cell Transplantation</i> , 2014, 23, 1321-1348.	2.5	27
92	Enzymes for Pancreatic Islet Isolation Impact Chemokine-Production and Polarization of Insulin-Producing Î²-Cells with Reduced Functional Survival of Immunoisolated Rat Islet-Allografts as a Consequence. <i>PLoS ONE</i> , 2016, 11, e0147992.	2.5	27
93	A NOVEL TECHNIQUE OF HYPOTHERMIC LUMINAL PERFUSION FOR SMALL BOWEL PRESERVATION. <i>Transplantation</i> , 2003, 76, 71-76.	1.0	26
94	Endogenous Pancreatic Enzyme Activity Levels Show no Significant Effect on Human Islet Isolation Yield. <i>Cell Transplantation</i> , 2004, 13, 153-160.	2.5	26
95	Alleviating Ischemia-Reperfusion Injury in Small Bowel. <i>American Journal of Transplantation</i> , 2004, 4, 728-737.	4.7	25
96	Enriched Human Pancreatic Ductal Cultures Obtained from Selective Death of Acinar Cells Express Pancreatic and Duodenal Homeobox Gene-1 Age-Dependently. <i>Review of Diabetic Studies</i> , 2004, 1, 66-66.	1.3	25
97	Stimulation of vascularization of a subcutaneous scaffold applicable for pancreatic islet transplantation enhances immediate post-transplant islet graft function but not long-term normoglycemia. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 2533-2542.	4.0	25
98	Ameliorating Small Bowel Injury Using a Cavitory Two-Layer Preservation Method with Perfluorocarbon and a Nutrient-Rich Solution. <i>American Journal of Transplantation</i> , 2004, 4, 1421-1428.	4.7	24
99	Young porcine endocrine pancreatic islets cultured in fibrin show improved resistance toward hydrogen peroxide. <i>Islets</i> , 2013, 5, 207-215.	1.8	24
100	Noninvasive evaluation of the vascular response to transplantation of alginate encapsulated islets using the dorsal skin-fold model. <i>Biomaterials</i> , 2014, 35, 891-898.	11.4	24
101	Polymer scaffolds for pancreatic islet transplantation – Progress and challenges. <i>American Journal of Transplantation</i> , 2018, 18, 2113-2119.	4.7	24
102	Exosome loaded immunomodulatory biomaterials alleviate local immune response in immunocompetent diabetic mice post islet xenotransplantation. <i>Communications Biology</i> , 2021, 4, 685.	4.4	24
103	Water and Cryoprotectant Permeability Characteristics of Isolated Human and Canine Pancreatic Islets. <i>Cell Transplantation</i> , 1999, 8, 549-559.	2.5	23
104	Maintenance of Glucose-sensitive Insulin Secretion of Cryopreserved Human Islets with University of Wisconsin Solution and Ascorbic Acid-2 Glucoside. <i>Artificial Organs</i> , 2004, 28, 529-536.	1.9	23
105	Mathematical predictions of oxygen availability in micro- and macro-encapsulated human and porcine pancreatic islets. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 343-352.	3.4	23
106	Future Trends in Islet Cell Transplantation. <i>Diabetes Technology and Therapeutics</i> , 2000, 2, 449-452.	4.4	22
107	Biohybrid Nanoparticles to Negotiate with Biological Barriers. <i>Small</i> , 2019, 15, e1902333.	10.0	22
108	Cost and Scalability Analysis of Porcine Islet Isolation for Islet Transplantation: Comparison of Juvenile, Neonatal and Adult Pigs. <i>Cell Transplantation</i> , 2019, 28, 967-972.	2.5	22

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109	Transplantation of stem cells from umbilical cord blood as therapy for type I diabetes. <i>Cell and Tissue Research</i> , 2019, 378, 155-162.	2.9	22
110	Osmotic Characteristics of Isolated Human and Canine Pancreatic Islets. <i>Cryobiology</i> , 1997, 35, 106-113.	0.7	21
111	Molecular and genetic regulation of pig pancreatic islet cell development. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	21
112	¹⁸ F-Fallypride PET of Pancreatic Islets: In Vitro and In Vivo Rodent Studies. <i>Journal of Nuclear Medicine</i> , 2011, 52, 1125-1132.	5.0	20
113	In vitro characterization of neonatal, juvenile, and adult porcine islet oxygen demand, β -cell function, and transcriptomes. <i>Xenotransplantation</i> , 2018, 25, e12432.	2.8	20
114	Low Methoxyl Pectin Protects against Autoimmune Diabetes and Associated Caecal Dysfunction. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1900307.	3.3	19
115	Osmotic Tolerance Limits of Canine Pancreatic Islets. <i>Cell Transplantation</i> , 1999, 8, 277-284.	2.5	18
116	Improved islet survival and in vitro function using solubilized small intestinal submucosa. <i>Cell and Tissue Banking</i> , 2001, 2, 217-224.	1.1	18
117	Development of a novel β -cell specific promoter system for the identification of insulin-producing cells in in vitro cell cultures. <i>Experimental Cell Research</i> , 2006, 312, 3404-3412.	2.6	18
118	Necrostatin β 1 supplementation enhances young porcine islet maturation and in vitro function. <i>Xenotransplantation</i> , 2020, 27, e12555.	2.8	18
119	Immune response to subcutaneous implants of alginate microcapsules. <i>Materials Today: Proceedings</i> , 2018, 5, 15580-15585.	1.8	17
120	Preliminary Studies of the Impact of CXCL12 on the Foreign Body Reaction to Pancreatic Islets Microencapsulated in Alginate in Nonhuman Primates. <i>Transplantation Direct</i> , 2019, 5, e447.	1.6	17
121	Characterisation of impaired wound healing in a preclinical model of induced diabetes using wide-field imaging and conventional immunohistochemistry assays. <i>International Wound Journal</i> , 2019, 16, 144-152.	2.9	16
122	Endogenous pancreatic enzyme activity levels show no significant effect on human islet isolation yield. <i>Cell Transplantation</i> , 2004, 13, 153-60.	2.5	16
123	Cross-Sectional and Prospective Association Between Proinsulin Secretion and Graft Function After Clinical Islet Transplantation. <i>Transplantation</i> , 2004, 78, 934-937.	1.0	14
124	Method measuring oxygen tension and transport within subcutaneous devices. <i>Journal of Biomedical Optics</i> , 2014, 19, 087006.	2.6	14
125	Improved cryopreservation yield of pancreatic islets using combination of lower dose permeable cryoprotective agents. <i>Cryobiology</i> , 2019, 88, 23-28.	0.7	14
126	INTRATHYMIC TRANSPLANTATION OF FRESH AND CRYOPRESERVED ISLETS FOR THE INDUCTION OF A STATE OF UNRESPONSIVENESS IN RATS1. <i>Transplantation</i> , 1996, 61, 506-508.	1.0	14

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127	Bulk Cryopreservation of Isolated Islets of Langerhans. <i>Cell Transplantation</i> , 1996, 5, 395-404.	2.5	13
128	Human Pancreas Preservation Prior to Islet Isolation. <i>Cell Preservation Technology</i> , 2002, 1, 81-87.	0.6	13
129	Compaction of Islets Is Detrimental to Transplant Outcome in Mice. <i>Transplantation</i> , 2006, 82, 1472-1476.	1.0	13
130	Comparison of Cooling Systems during Islet Purification. <i>Cell Transplantation</i> , 2006, 15, 175-180.	2.5	13
131	Pulsatile intravenous insulin therapy: The best practice to reverse diabetes complications?. <i>Medical Hypotheses</i> , 2009, 73, 363-369.	1.5	13
132	Effects of Periodic Intensive Insulin Therapy: An Updated Review. <i>Current Therapeutic Research</i> , 2019, 90, 61-67.	1.2	13
133	An overview of current advancements in pancreatic islet transplantation into the omentum. <i>Islets</i> , 2021, 13, 115-120.	1.8	12
134	OPTIMAL TEMPERATURE IN SHORT-TERM HYPOTHERMIC PRESERVATION OF RAT PANCREAS. <i>Transplantation</i> , 1991, 51, 977-981.	1.0	11
135	University of wisconsin solution with trypsin inhibitor pefabloc improves survival of viable human and primate impure islets during storage. <i>Cell and Tissue Banking</i> , 2001, 2, 15-21.	1.1	11
136	Evaluating the Effect of Serine Proteases on Collagenase Activity during Human Islet Isolation. <i>Cell Transplantation</i> , 2002, 11, 821-826.	2.5	11
137	Juvenile Porcine Islets Can Restore Euglycemia in Diabetic Athymic Nude Mice After Xenotransplantation. <i>Transplantation</i> , 2015, 99, 710-716.	1.0	11
138	Structural Characteristics and Diffusion Coefficient of Alginate Hydrogels Used for Cell Based Drug Delivery. <i>MRS Advances</i> , 2018, 3, 2399-2408.	0.9	11
139	Maintenance of mouse, rat, and pig pancreatic islet functions by coculture with human islet-derived fibroblasts. <i>Cell Transplantation</i> , 2006, 15, 325-34.	2.5	11
140	Long-term graft function after allogeneic islet transplantation. <i>Cell Transplantation</i> , 2007, 16, 441-6.	2.5	11
141	Effect of Cryopreservation on the Survival and Function of Murine Islet Isografts and Allografts. <i>Cell Transplantation</i> , 1998, 7, 373-379.	2.5	10
142	Secretion from Islets and Single Islet Cells following Cryopreservation. <i>Cell Transplantation</i> , 1999, 8, 691-698.	2.5	10
143	Dynamics of Cryoprotectant Permeation in Porcine Heart Valve Leaflets. <i>Cell Transplantation</i> , 2003, 12, 123-128.	2.5	10
144	The current situation in human pancreatic islet transplantation: problems and prospects. <i>Journal of Artificial Organs</i> , 2004, 7, 1-8.	0.9	10

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145	Impact of donor age and weaning status on pancreatic exocrine and endocrine tissue maturation in pigs. <i>Xenotransplantation</i> , 2015, 22, 356-367.	2.8	10
146	A Prospective Comparison of Discontinuous Euroficoll and Eurodextran Gradients for Islet Purification. <i>Cell Transplantation</i> , 1998, 7, 479-487.	2.5	9
147	Cytokines as therapeutic agents and targets in heart disease. <i>Cytokine and Growth Factor Reviews</i> , 2018, 43, 54-68.	7.2	9
148	Applying Immunomodulation to Promote Longevity of Immunoisolated Pancreatic Islet Grafts. <i>Tissue Engineering - Part B: Reviews</i> , 2022, 28, 129-140.	4.8	9
149	LONG-TERM SURVIVAL OF SYNGENEIC ISLET GRAFTS IN BCG-TREATED DIABETIC NOD MICE CAN BE REVERSED BY CYCLOPHOSPHAMIDE. <i>Transplantation</i> , 1995, 59, 1751-1753.	1.0	8
150	An Evaluation of Endogenous Pancreatic Enzyme Levels after Human Islet Isolation. <i>Pancreas</i> , 2003, 27, 167-173.	1.1	8
151	High-Throughput Screening of Encapsulated Islets Using Wide-Field Lens-Free On-Chip Imaging. <i>ACS Photonics</i> , 2018, 5, 2081-2086.	6.6	8
152	Detection of microbial contamination during human islet isolation. <i>Cell Transplantation</i> , 2007, 16, 9-13.	2.5	8
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