

Jonathan R T Lakey

List of Publications by Year in descending order

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Version: 2024-02-01

202
papers

17,658
citations

31976

53
h-index

13379

130
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all docs

207
docs citations

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times ranked

9507
citing authors

#	ARTICLE	IF	CITATIONS
1	Applying Immunomodulation to Promote Longevity of Immunoisolated Pancreatic Islet Grafts. <i>Tissue Engineering - Part B: Reviews</i> , 2022, 28, 129-140.	4.8	9
2	Physiologic Insulin Resensitization as a Treatment Modality for Insulin Resistance Pathophysiology. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1884.	4.1	5
3	Auto islet isolation: Methods in removal and isolation from fibrosed and autolyzed pancreata. , 2022, , 97-111.		0
4	Inclusion of extracellular matrix molecules and necrostatin-1 in the intracapsular environment of alginate-based microcapsules synergistically protects pancreatic β cells against cytokine-induced inflammatory stress. <i>Acta Biomaterialia</i> , 2022, 146, 434-449.	8.3	8
5	Anti-Oxidative Therapy in Islet Cell Transplantation. <i>Antioxidants</i> , 2022, 11, 1038.	5.1	6
6	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
7	The effects of necrostatin-1 on the in vitro development and function of young porcine islets over 14-day prolonged tissue culture. <i>Xenotransplantation</i> , 2021, 28, e12667.	2.8	5
8	Comparison of islet isolation result and clinical applicability according to GMP-grade collagenase enzyme blend in adult porcine islet isolation and culture. <i>Xenotransplantation</i> , 2021, 28, e12703.	2.8	5
9	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
10	An overview of current advancements in pancreatic islet transplantation into the omentum. <i>Islets</i> , 2021, 13, 115-120.	1.8	12
11	Necrostatin-1 Supplementation to Islet Tissue Culture Enhances the In-Vitro Development and Graft Function of Young Porcine Islets. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8367.	4.1	5
12	Cryopreservation: An Overview of Principles and Cell-Specific Considerations. <i>Cell Transplantation</i> , 2021, 30, 096368972199961.	2.5	97
13	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
14	Necrostatin-1 supplementation enhances young porcine islet maturation and in vitro function. <i>Xenotransplantation</i> , 2020, 27, e12555.	2.8	18
15	Characterization of chelator-mediated recovery of pancreatic islets from barium-stabilized alginate microcapsules. <i>Xenotransplantation</i> , 2020, 27, e12554.	2.8	5
16	Preferences of Type 1 Diabetic Patients on Devices for Islet Transplantation. <i>Cell Transplantation</i> , 2020, 29, 096368972095234.	2.5	5
17	Comparison of Islet Characterization from Use of Standard Crude Collagenase to GMP-Grade Collagenase Enzyme Blends in Prewaned Porcine Islet Isolations. <i>Cell Transplantation</i> , 2020, 29, 096368972097783.	2.5	2
18	Optimal Time to Ship Human Islets Post Tissue Culture to Maximize Islet. <i>Cell Transplantation</i> , 2020, 29, 096368972097458.	2.5	4

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19	The Effect of a Fast-Releasing Hydrogen Sulfide Donor on Vascularization of Subcutaneous Scaffolds in Immunocompetent and Immunocompromised Mice. <i>Biomolecules</i> , 2020, 10, 722.	4.0	4
20	An islet maturation media to improve the development of young porcine islets during in vitro culture. <i>Islets</i> , 2020, 12, 41-58.	1.8	7
21	Molecular and genetic regulation of pig pancreatic islet cell development. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	21
22	Oxygen Monitor to Study Vascularization of Medical Devices. <i>MRS Advances</i> , 2020, 5, 991-1000.	0.9	0
23	Non-Invasive Monitoring of Oxygen Tension and Oxygen Transport Inside Subcutaneous Devices After H ₂ S Treatment. <i>Cell Transplantation</i> , 2020, 29, 096368971989393.	2.5	2
24	Dose-dependent effects of necrostatin-1 supplementation to tissue culture media of young porcine islets. <i>PLoS ONE</i> , 2020, 15, e0243506.	2.5	7
25	Pancreatic Islet Transplantation: A Surgical Approach to Type 1 Diabetes Treatment. , 2020, , 655-664.		0
26	Evaluation of Cycloferin Supplement on Health Parameters in Experimentally Induced Diabetic Rats with and Without Exogenous Insulin. <i>Journal of Dietary Supplements</i> , 2019, 16, 454-462.	2.6	2
27	Low Methoxyl Pectin Protects against Autoimmune Diabetes and Associated Caecal Dysfunction. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1900307.	3.3	19
28	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
29	Biohybrid Nanoparticles to Negotiate with Biological Barriers. <i>Small</i> , 2019, 15, e1902333.	10.0	22
30	Efficacy of Periodic Intensive Insulin Therapy on secondary complications of diabetes warrants larger prospective randomized clinical trials. <i>Current Therapeutic Research</i> , 2019, 91, 23.	1.2	0
31	Stem Cell-Derived Exosomes as Nanotherapeutics for Autoimmune and Neurodegenerative Disorders. <i>ACS Nano</i> , 2019, 13, 6670-6688.	14.6	341
32	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
33	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
34	Scaffolds implanted. , 2019, , 127-152.		2
35	Effects of Periodic Intensive Insulin Therapy: An Updated Review. <i>Current Therapeutic Research</i> , 2019, 90, 61-67.	1.2	13
36	Improved cryopreservation yield of pancreatic islets using combination of lower dose permeable cryoprotective agents. <i>Cryobiology</i> , 2019, 88, 23-28.	0.7	14

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37	Islet Transplantation as Treatment for Type 1 Diabetes. , 2019, , 233-233.		0
38	Cover Image, Volume 26, Issue 2. Xenotransplantation, 2019, 26, e12520.	2.8	0
39	Cryopreserved Alginate-Encapsulated Islets Can Restore Euglycemia in a Diabetic Animal Model Better than Cryopreserved Non-encapsulated Islets. Cell Medicine, 2019, 11, 215517901987664.	5.0	7
40	Micro/nanobubbles. Annals of Plastic Surgery, 2019, 83, 583-588.	0.9	7
41	Preliminary Studies of the Impact of CXCL12 on the Foreign Body Reaction to Pancreatic Islets Microencapsulated in Alginate in Nonhuman Primates. Transplantation Direct, 2019, 5, e447.	1.6	17
42	28: Enhancing In Vitro Islet Function Using a Novel Necroptosis Inhibitor. Transplantation, 2019, 103, S7-S7.	1.0	0
43	Mesenchymal stem cell dysfunction in diabetes. Molecular Biology Reports, 2019, 46, 1459-1475.	2.3	42
44	Characterisation of impaired wound healing in a preclinical model of induced diabetes using wide-field imaging and conventional immunohistochemistry assays. International Wound Journal, 2019, 16, 144-152.	2.9	16
45	Systematic review of islet cryopreservation. Islets, 2018, 10, 40-49.	1.8	32
46	Physical Protection of Pancreatic Islets for Transplantation. , 2018, , .		0
47	Immune response to subcutaneous implants of alginate microcapsules. Materials Today: Proceedings, 2018, 5, 15580-15585.	1.8	17
48	Use of Flow Cytometry to Characterize the In Vivo Development of Neonatal Porcine Islets. Transplantation, 2018, 102, S722.	1.0	1
49	Polymer scaffolds for pancreatic islet transplantation â€” Progress and challenges. American Journal of Transplantation, 2018, 18, 2113-2119.	4.7	24
50	In vitro characterization of neonatal, juvenile, and adult porcine islet oxygen demand, cell function, and transcriptomes. Xenotransplantation, 2018, 25, e12432.	2.8	20
51	High-Throughput Screening of Encapsulated Islets Using Wide-Field Lens-Free On-Chip Imaging. ACS Photonics, 2018, 5, 2081-2086.	6.6	8
52	Cytokines as therapeutic agents and targets in heart disease. Cytokine and Growth Factor Reviews, 2018, 43, 54-68.	7.2	9
53	Structural Characteristics and Diffusion Coefficient of Alginate Hydrogels Used for Cell Based Drug Delivery. MRS Advances, 2018, 3, 2399-2408.	0.9	11
54	Vascularization and innervation of slits within polydimethylsiloxane sheets in the subcutaneous space of athymic nude mice. Journal of Tissue Engineering, 2017, 8, 204173141769164.	5.5	6

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55	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
56	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
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	Developing a Rapid Algorithm to Enable Rapid Characterization of Alginate Microcapsules. <i>Cell Transplantation</i> , 2017, 26, 765-772.	2.5	5
59	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
60	Enzymes for Pancreatic Islet Isolation Impact Chemokine-Production and Polarization of Insulin-Producing β -Cells with Reduced Functional Survival of Immunoisolated Rat Islet-Allografts as a Consequence. <i>PLoS ONE</i> , 2016, 11, e0147992.	2.5	27
61	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
62	Juvenile Porcine Islets Can Restore Euglycemia in Diabetic Athymic Nude Mice After Xenotransplantation. <i>Transplantation</i> , 2015, 99, 710-716.	1.0	11
63	Method measuring oxygen tension and transport within subcutaneous devices. <i>Journal of Biomedical Optics</i> , 2014, 19, 087006.	2.6	14
64	Islet and Stem Cell Encapsulation for Clinical Transplantation. <i>Review of Diabetic Studies</i> , 2014, 11, 84-101.	1.3	97
65	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
66	Impact of Hypothermic Preservation on Tissue Yield and Viability in Pig Pancreata. <i>Transplantation Proceedings</i> , 2014, 46, 1975-1977.	0.6	2
67	Culturing Free-Floating and Fibrin-Embedded Islets with Endothelial Cells: Effects on Insulin Secretion and Apoptosis. <i>Cellular and Molecular Bioengineering</i> , 2014, 7, 243-253.	2.1	4
68	In Vitro Maturation of Viable Islets from Partially Digested Young Pig Pancreas. <i>Cell Transplantation</i> , 2014, 23, 263-272.	2.5	46
69	Current Status of Islet Encapsulation. <i>Cell Transplantation</i> , 2014, 23, 1321-1348.	2.5	27
70	Human islet mass, morphology, and survival after cryopreservation using the Edmonton protocol. <i>Islets</i> , 2013, 5, 188-195.	1.8	31
71	Young porcine endocrine pancreatic islets cultured in fibrin show improved resistance toward hydrogen peroxide. <i>Islets</i> , 2013, 5, 207-215.	1.8	24
72	Encapsulated Islet Transplantation: Strategies and Clinical Trials. <i>Immune Network</i> , 2013, 13, 235.	3.6	57

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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	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
75	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
76	Pancreatic duct: A suitable route to oxygenate tissue during pancreas hypothermic preservation?. <i>Transplant Immunology</i> , 2010, 22, 191-194.	1.2	3
77	Pulsatile intravenous insulin therapy: The best practice to reverse diabetes complications?. <i>Medical Hypotheses</i> , 2009, 73, 363-369.	1.5	13
78	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
79	Combination Therapy with Glucagon-Like Peptide-1 and Gastrin Induces β^2 -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
80	Effect of Slow Freezing Versus Vitrification on the Recovery of Mouse Embryonic Stem Cells. <i>Cell Preservation Technology</i> , 2007, 5, 16-24.	0.6	5
81	Factors Influencing the Collagenase Digestion Phase of Human Islet Isolation. <i>Transplantation</i> , 2007, 83, 7-12.	1.0	64
82	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
83	Demand for human allograft tissue in Canada. <i>Cell and Tissue Banking</i> , 2007, 8, 31-42.	1.1	3
84	Supply of human allograft tissue in Canada. <i>Cell and Tissue Banking</i> , 2007, 8, 135-150.	1.1	4
85	Detection of microbial contamination during human islet isolation. <i>Cell Transplantation</i> , 2007, 16, 9-13.	2.5	8
86	Long-term graft function after allogeneic islet transplantation. <i>Cell Transplantation</i> , 2007, 16, 441-6.	2.5	11
87	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
88	International Trial of the Edmonton Protocol for Islet Transplantation. <i>New England Journal of Medicine</i> , 2006, 355, 1318-1330.	27.0	1,754
89	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
90	Compaction of Islets Is Detrimental to Transplant Outcome in Mice. <i>Transplantation</i> , 2006, 82, 1472-1476.	1.0	13

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91	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
92	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
93	Estimation of Pancreas Weight from Donor Variables. <i>Cell Transplantation</i> , 2006, 15, 181-185.	2.5	43
94	Comparison of Cooling Systems during Islet Purification. <i>Cell Transplantation</i> , 2006, 15, 175-180.	2.5	13
95	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
96	Beta-cell differentiation from nonendocrine epithelial cells of the adult human pancreas. <i>Nature Medicine</i> , 2006, 12, 310-316.	30.7	207
97	Expansion of mesenchymal stem cells from human pancreatic ductal epithelium. <i>Laboratory Investigation</i> , 2006, 86, 141-153.	3.7	157
98	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
99	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
100	Quantitative Assessment of Collagenase Blends for Human Islet Isolation. <i>Transplantation</i> , 2005, 80, 723-728.	1.0	56
101	Strategic Opportunities in Clinical Islet Transplantation. <i>Transplantation</i> , 2005, 79, 1304-1307.	1.0	121
102	The Standardization of Pancreatic Donors for Islet Isolations. <i>Transplantation</i> , 2005, 80, 801-806.	1.0	90
103	Pancreas Divisum: A Study of the Cadaveric Donor Pancreas for Islet Isolation. <i>Pancreas</i> , 2005, 30, 325-327.	1.1	32
104	The Portal Immunosuppressive Storm. <i>Therapeutic Drug Monitoring</i> , 2005, 27, 35-37.	2.0	117
105	A human β -cell line for transplantation therapy to control type 1 diabetes. <i>Nature Biotechnology</i> , 2005, 23, 1274-1282.	17.5	132
106	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
107	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
108	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

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109	Five-Year Follow-Up After Clinical Islet Transplantation. <i>Diabetes</i> , 2005, 54, 2060-2069.	0.6	1,489
110	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
111	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
112	β -Score: An assessment of β -cell function after islet transplantation. <i>Diabetes Care</i> , 2005, 28, 343-347.	8.6	157
113	^1H NMR Assessment of Safe Triton X-100 Levels in Decellularized Rat Aortic Valve Tissue. <i>Cell Preservation Technology</i> , 2005, 3, 148-155.	0.6	0
114	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
115	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
116	Islet Graft Assessment in the Edmonton Protocol: Implications for Predicting Long-Term Clinical Outcome. <i>Diabetes</i> , 2004, 53, 3107-3114.	0.6	197
117	Automated Cell Isolation Laboratory Information System. <i>Cell Preservation Technology</i> , 2004, 2, 209-214.	0.6	0
118	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
119	Alleviating Ischemia-Reperfusion Injury in Small Bowel. <i>American Journal of Transplantation</i> , 2004, 4, 728-737.	4.7	25
120	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
121	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
122	The current situation in human pancreatic islet transplantation: problems and prospects. <i>Journal of Artificial Organs</i> , 2004, 7, 1-8.	0.9	10
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	Prevalence of Hepatic Steatosis After Islet Transplantation and Its Relation to Graft Function. <i>Diabetes</i> , 2004, 53, 1311-1317.	0.6	148
125	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
126	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

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127	Clinical islet transplant: current and future directions towards tolerance. Immunological Reviews, 2003, 196, 219-236.	6.0	73
128	Technical aspects of islet preparation and transplantation. Transplant International, 2003, 16, 613-632.	1.6	89
129	Percutaneous Transhepatic Pancreatic Islet Cell Transplantation in Type 1 Diabetes Mellitus: Radiologic Aspects. Radiology, 2003, 229, 165-170.	7.3	120
130	An Evaluation of Endogenous Pancreatic Enzyme Levels after Human Islet Isolation. Pancreas, 2003, 27, 167-173.	1.1	8
131	Evaluation of Pefabloc as a serine protease inhibitor during human-islet isolation. Transplantation, 2003, 75, 462-466.	1.0	36
132	Preserving the mucosal barrier during small bowel storage1. Transplantation, 2003, 76, 911-917.	1.0	27
133	Resuscitation of Ischemically Damaged Human Pancreases by the Two-Layer Method prior to Islet Isolation. Transplantation, 2003, 76, S56-S57.	1.0	0
134	Changes in liver enzymes after clinical islet transplantation1. Transplantation, 2003, 76, 1280-1284.	1.0	60
135	A NOVEL TECHNIQUE OF HYPOTHERMIC LUMINAL PERFUSION FOR SMALL BOWEL PRESERVATION. Transplantation, 2003, 76, 71-76.	1.0	26
136	Dynamics of Cryoprotectant Permeation in Porcine Heart Valve Leaflets. Cell Transplantation, 2003, 12, 123-128.	2.5	10
137	Technical aspects of islet preparation and transplantation. Transplant International, 2003, 16, 613-632.	1.6	41
138	A Theoretical Examination of the Biophysical Factors for Development of an Optimized Cryopreservation Procedure for Canine Islets. Cell Preservation Technology, 2002, 1, 151-164.	0.6	4
139	Human Pancreas Preservation Prior to Islet Isolation. Cell Preservation Technology, 2002, 1, 81-87.	0.6	13
140	Estrogen Can Prevent or Reverse Obesity and Diabetes in Mice Expressing Human Islet Amyloid Polypeptide. Diabetes, 2002, 51, 2158-2169.	0.6	63
141	Intrahepatic Islet Transplantation in Type 1 Diabetic Patients Does Not Restore Hypoglycemic Hormonal Counterregulation or Symptom Recognition After Insulin Independence. Diabetes, 2002, 51, 3428-3434.	0.6	140
142	A Novel Approach to Increase Human Islet Cell Mass While Preserving β -Cell Function. Diabetes, 2002, 51, 3435-3439.	0.6	207
143	Synaptosome-Associated Protein of 25 Kilodaltons Modulates Kv2.1 Voltage-Dependent K ⁺ Channels in Neuroendocrine Islet β -Cells through an Interaction with the Channel N Terminus. Molecular Endocrinology, 2002, 16, 2452-2461.	3.7	79
144	Human islet transplantation from pancreases with prolonged cold ischemia using additional preservation by the two-layer (UW solution/perfluorochemical) cold-storage method. Transplantation, 2002, 74, 1687-1691.	1.0	113

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145	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
146	Preservation of the human pancreas before islet isolation using a two-layer (UW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (solution)	1.0	59
147	Portal venous pressure changes after sequential clinical islet transplantation. <i>Transplantation</i> , 2002, 74, 913-915.	1.0	131
148	Defining optimal immunosuppression for islet transplantation based on reduced diabetogenicity in canine islet autografts. <i>Transplantation</i> , 2002, 74, 1522-1528.	1.0	27
149	Proapoptotic bax is hyperexpressed in isolated human islets compared with antiapoptotic bcl-21. <i>Transplantation</i> , 2002, 74, 1489-1496.	1.0	44
150	Evaluating the Effect of Serine Proteases on Collagenase Activity during Human Islet Isolation. <i>Cell Transplantation</i> , 2002, 11, 821-826.	2.5	11
151	Successful Islet Transplantation: Continued Insulin Reserve Provides Long-Term Glycemic Control. <i>Diabetes</i> , 2002, 51, 2148-2157.	0.6	701
152	Improved function of islet grafts under steroid-free immunosuppression: will grafts work forever? Response to letter by Birkeland et al.. <i>Transplantation</i> , 2002, 73, 1528.	1.0	1
153	Evaluating the effect of serine proteases on collagenase activity during human islet isolation. <i>Cell Transplantation</i> , 2002, 11, 821-6.	2.5	3
154	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
155	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
156	NOVEL APPROACHES TOWARD EARLY DIAGNOSIS OF ISLET ALLOGRAFT REJECTION ¹ . <i>Transplantation</i> , 2001, 71, 1709-1718.	1.0	47
157	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
158	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
159	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
160	Hepatitis C virus replication in mice with chimeric human livers. <i>Nature Medicine</i> , 2001, 7, 927-933.	30.7	818
161	Islet Cryopreservation Using Intracellular Preservation Solutions. <i>Cell Transplantation</i> , 2001, 10, 583-589.	2.5	36
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