

Anissa Gamble

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

6,952
citations

159585

30
h-index

62596

80
g-index

91
all docs

91
docs citations

91
times ranked

7188
citing authors

#	ARTICLE	IF	CITATIONS
1	Five-Year Follow-Up After Clinical Islet Transplantation. <i>Diabetes</i> , 2005, 54, 2060-2069.	0.6	1,489
2	Comprehensive human cell-type methylation atlas reveals origins of circulating cell-free DNA in health and disease. <i>Nature Communications</i> , 2018, 9, 5068.	12.8	584
3	Clinical pancreatic islet transplantation. <i>Nature Reviews Endocrinology</i> , 2017, 13, 268-277.	9.6	525
4	Phase 3 Trial of Transplantation of Human Islets in Type 1 Diabetes Complicated by Severe Hypoglycemia. <i>Diabetes Care</i> , 2016, 39, 1230-1240.	8.6	498
5	Identification of tissue-specific cell death using methylation patterns of circulating DNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1826-34.	7.1	492
6	A prevascularized subcutaneous device-less site for islet and cellular transplantation. <i>Nature Biotechnology</i> , 2015, 33, 518-523.	17.5	293
7	p16Ink4a-induced senescence of pancreatic beta cells enhances insulin secretion. <i>Nature Medicine</i> , 2016, 22, 412-420.	30.7	252
8	Update on Islet Transplantation. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2012, 2, a007823-a007823.	6.2	179
9	Factors Influencing the Loss of β -Cell Mass in Islet Transplantation. <i>Cell Transplantation</i> , 2007, 16, 1-8.	2.5	144
10	National Institutes of Healthâ€™Sponsored Clinical Islet Transplantation Consortium Phase 3 Trial: Manufacture of a Complex Cellular Product at Eight Processing Facilities. <i>Diabetes</i> , 2016, 65, 3418-3428.	0.6	143
11	The journey of islet cell transplantation and future development. <i>Islets</i> , 2018, 10, 80-94.	1.8	126
12	Insulin expression and C-peptide in type 1 diabetes subjects implanted with stem cell-derived pancreatic endoderm cells in an encapsulation device. <i>Cell Reports Medicine</i> , 2021, 2, 100466.	6.5	126
13	The Portal Immunosuppressive Storm. <i>Therapeutic Drug Monitoring</i> , 2005, 27, 35-37.	2.0	117
14	Human Mesenchymal Stem Cells Protect Human Islets from Pro-Inflammatory Cytokines. <i>PLoS ONE</i> , 2012, 7, e38189.	2.5	112
15	Insulin-Heparin Infusions Peritransplant Substantially Improve Single-Donor Clinical Islet Transplant Success. <i>Transplantation</i> , 2010, 89, 465-471.	1.0	108
16	Diabetes Is Reversed in a Murine Model by Marginal Mass Syngeneic Islet Transplantation Using a Subcutaneous Cell Pouch Device. <i>Transplantation</i> , 2015, 99, 2294-2300.	1.0	97
17	Research-Focused Isolation of Human Islets From Donors With and Without Diabetes at the Alberta Diabetes Institute IsletCore. <i>Endocrinology</i> , 2016, 157, 560-569.	2.8	97
18	Clinical islet transplant: current and future directions towards tolerance. <i>Immunological Reviews</i> , 2003, 196, 219-236.	6.0	73

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19	Transplantation of Human Pancreatic Endoderm Cells Reverses Diabetes Post Transplantation in a Prevascularized Subcutaneous Site. <i>Stem Cell Reports</i> , 2017, 8, 1689-1700.	4.8	68
20	Pancreatic islet transplantation in type 1 diabetes: 20-year experience from a single-centre cohort in Canada. <i>Lancet Diabetes and Endocrinology</i> , 2022, 10, 519-532.	11.4	65
21	Caspase Inhibitor Therapy Enhances Marginal Mass Islet Graft Survival and Preserves Long-Term Function in Islet Transplantation. <i>Diabetes</i> , 2007, 56, 1289-1298.	0.6	64
22	Phase 3 trial of human islet-after-kidney transplantation in type 1 diabetes. <i>American Journal of Transplantation</i> , 2021, 21, 1477-1492.	4.7	64
23	Transient Cold Storage Prior to Normothermic Liver Perfusion May Facilitate Adoption of a Novel Technology. <i>Liver Transplantation</i> , 2019, 25, 1503-1513.	2.4	63
24	Factors influencing the loss of beta-cell mass in islet transplantation. <i>Cell Transplantation</i> , 2007, 16, 1-8.	2.5	57
25	The Caspase Selective Inhibitor EP1013 Augments Human Islet Graft Function and Longevity in Marginal Mass Islet Transplantation in Mice. <i>Diabetes</i> , 2008, 57, 1556-1566.	0.6	55
26	A Back-to-Base Experience of Human Normothermic Ex Situ Liver Perfusion: Does the Chill Kill?. <i>Liver Transplantation</i> , 2019, 25, 848-858.	2.4	54
27	Improved islet recovery and efficacy through co-culture and co-transplantation of islets with human adipose-derived mesenchymal stem cells. <i>PLoS ONE</i> , 2018, 13, e0206449.	2.5	49
28	Islet cells share promoter hypomethylation independently of expression, but exhibit cell-type-specific methylation in enhancers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 13525-13530.	7.1	49
29	Beta Cell Death by Cell-free DNA and Outcome After Clinical Islet Transplantation. <i>Transplantation</i> , 2018, 102, 978-985.	1.0	40
30	Harnessing the Foreign Body Reaction in Marginal Mass Device-less Subcutaneous Islet Transplantation in Mice. <i>Transplantation</i> , 2016, 100, 1474-1479.	1.0	36
31	Research Productivity of Residents and Surgeons With Formal Research Training. <i>Journal of Surgical Education</i> , 2014, 71, 865-870.	2.5	35
32	Postnatal Exocrine Pancreas Growth by Cellular Hypertrophy Correlates with a Shorter Lifespan in Mammals. <i>Developmental Cell</i> , 2018, 45, 726-737.e3.	7.0	32
33	Improvement of Pancreatic Islet Isolation Outcomes Using Glutamine Perfusion during Isolation Procedure. <i>Cell Transplantation</i> , 2003, 12, 877-881.	2.5	30
34	Chemokines and Their Receptors in Islet Allograft Rejection and as Targets for Tolerance Induction. <i>Cell Transplantation</i> , 2006, 15, 295-309.	2.5	30
35	Islet cell transplantation. <i>Seminars in Pediatric Surgery</i> , 2014, 23, 83-90.	1.1	29
36	The Role of Normothermic Perfusion in Liver Transplantation (TRaNsIT Study): A Systematic Review of Preliminary Studies. <i>HPB Surgery</i> , 2018, 2018, 1-14.	2.2	29

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37	Clinical islet isolation and transplantation outcomes with deceased cardiac death donors are similar to neurological determination of death donors. <i>Transplant International</i> , 2016, 29, 34-40.	1.6	28
38	Defining optimal immunosuppression for islet transplantation based on reduced diabetogenicity in canine islet autografts. <i>Transplantation</i> , 2002, 74, 1522-1528.	1.0	27
39	Glucose-dependent partitioning of arginine to the urea cycle protects β^2 -cells from inflammation. <i>Nature Metabolism</i> , 2020, 2, 432-446.	11.9	27
40	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
41	Antiaging Glycopeptide Protects Human Islets Against Tacrolimus-Related Injury and Facilitates Engraftment in Mice. <i>Diabetes</i> , 2016, 65, 451-462.	0.6	23
42	Future Trends in Islet Cell Transplantation. <i>Diabetes Technology and Therapeutics</i> , 2000, 2, 449-452.	4.4	22
43	Progress in Translational Regulatory T Cell Therapies for Type 1 Diabetes and Islet Transplantation. <i>Endocrine Reviews</i> , 2021, 42, 198-218.	20.1	22
44	Glucose metabolism and pyruvate carboxylase enhance glutathione synthesis and restrict oxidative stress in pancreatic islets. <i>Cell Reports</i> , 2021, 37, 110037.	6.4	21
45	Glutathione Ethyl Ester Supplementation during Pancreatic Islet Isolation Improves Viability and Transplant Outcomes in a Murine Marginal Islet Mass Model. <i>PLoS ONE</i> , 2013, 8, e55288.	2.5	20
46	Engraftment Site and Effectiveness of the Pan-Caspase Inhibitor F573 to Improve Engraftment in Mouse and Human Islet Transplantation in Mice. <i>Transplantation</i> , 2017, 101, 2321-2329.	1.0	20
47	Intraoperative continuous renal replacement therapy during liver transplantation: a pilot randomized-controlled trial (INCEPTION). <i>Canadian Journal of Anaesthesia</i> , 2019, 66, 1151-1161.	1.6	20
48	The Need for Ethnoracial Equity in Artificial Intelligence for Diabetes Management: Review and Recommendations. <i>Journal of Medical Internet Research</i> , 2021, 23, e22320.	4.3	20
49	Neuronal PAS Domain Protein 4 Suppression of Oxygen Sensing Optimizes Metabolism during Excitation of Neuroendocrine Cells. <i>Cell Reports</i> , 2018, 22, 163-174.	6.4	19
50	Normothermic Ex Vivo Machine Perfusion for Liver Grafts Recovered from Donors after Circulatory Death: A Systematic Review and Meta-Analysis. <i>HPB Surgery</i> , 2018, 2018, 1-8.	2.2	19
51	The Challenges of COVID-19 for People Living With Diabetes: Considerations for Digital Health. <i>JMIR Diabetes</i> , 2020, 5, e19581.	1.9	18
52	An engineered cell sheet composed of human islets and human fibroblast, bone marrow-derived mesenchymal stem cells, or adipose-derived mesenchymal stem cells: An in vitro comparison study. <i>Islets</i> , 2018, 10, e1445948.	1.8	17
53	Clearance of transaminases during normothermic ex situ liver perfusion. <i>PLoS ONE</i> , 2019, 14, e0215619.	2.5	17
54	Systematic Review and Meta-Analysis on the Impact of Thrombolytic Therapy in Liver Transplantation Following Donation after Circulatory Death. <i>Journal of Clinical Medicine</i> , 2018, 7, 425.	2.4	16

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55	Virtual Primary Care Implementation During COVID-19 in High-Income Countries: A Scoping Review. <i>Telemedicine Journal and E-Health</i> , 2022, 28, 920-931.	2.8	16
56	BMX-001, a novel redox-active metalloporphyrin, improves islet function and engraftment in a murine transplant model. <i>American Journal of Transplantation</i> , 2018, 18, 1879-1889.	4.7	15
57	The Actual Operative Costs of Liver Transplantation and Normothermic Machine Perfusion in a Canadian Setting. <i>Pharmacoeconomics - Open</i> , 2021, 5, 311-318.	1.8	15
58	Update on islet cell transplantation. <i>Current Opinion in Organ Transplantation</i> , 2021, 26, 397-404.	1.6	15
59	Caspase Inhibitor IDN6556 Facilitates Marginal Mass Islet Engraftment in a Porcine Islet Autotransplant Model. <i>Transplantation</i> , 2012, 94, 30-35.	1.0	13
60	A novel redox-active metalloporphyrin reduces reactive oxygen species and inflammatory markers but does not improve marginal mass engraftment in a murine donation after circulatory death islet transplantation model. <i>Islets</i> , 2016, 8, e1190058.	1.8	13
61	Islet transplantation in type 1 diabetes: moving forward. <i>Lancet Diabetes and Endocrinology</i> , 2018, 6, 516-517.	11.4	13
62	Islet-after-failed-pancreas and pancreas-after-failed islet transplantation: Two complementary rescue strategies to control diabetes. <i>Islets</i> , 2015, 7, e1126036.	1.8	12
63	Diaphragmatic Hernia After Living Donor Right Hepatectomy: Proposal for a Screening Protocol. <i>Transplantation Direct</i> , 2016, 2, e84.	1.6	12
64	Determination of Minimal Hemoglobin Level Necessary for Normothermic Porcine Ex Situ Liver Perfusion. <i>Transplantation</i> , 2018, 102, 1284-1292.	1.0	11
65	Normothermic ex-vivo liver perfusion: where do we stand and where to reach?. <i>Expert Review of Gastroenterology and Hepatology</i> , 2018, 12, 1045-1058.	3.0	11
66	Tumor necrosis factor receptor superfamily member 25 (TNFRSF25) agonists in islet transplantation: Endogenous in vivo regulatory T cell expansion promotes prolonged allograft survival. <i>American Journal of Transplantation</i> , 2021, , .	4.7	11
67	Preclinical models of acute liver failure: a comprehensive review. <i>PeerJ</i> , 2021, 9, e12579.	2.0	11
68	Induction of Expandable Tissue-Specific Progenitor Cells from Human Pancreatic Tissue through Transient Expression of Defined Factors. <i>Molecular Therapy - Methods and Clinical Development</i> , 2019, 13, 243-252.	4.1	9
69	Insulinoma or non-insulinoma pancreatogenous hypoglycemia? A diagnostic dilemma. <i>Journal of Surgical Case Reports</i> , 2016, 2016, rjw188.	0.4	8
70	Liver Transplantation in Locally Unresectable, Undifferentiated Embryonal Cell Sarcoma. <i>Transplantation Direct</i> , 2021, 7, e654.	1.6	8
71	Ex situ liver perfusion: Organ preservation into the future. <i>Transplantation Reviews</i> , 2018, 32, 132-141.	2.9	7
72	HCV Eradication with Direct-Acting Antivirals Does Not Impact HCC Progression on the Waiting List or HCC Recurrence after Liver Transplantation. <i>Canadian Journal of Gastroenterology and Hepatology</i> , 2019, 2019, 1-12.	1.9	7

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73	Gearing Up for Stem Cell-derived Beta Cells—Are We Ready?. <i>Transplantation</i> , 2018, 102, 1207-1208.	1.0	6
74	Avoiding initial hypothermia does not improve liver graft quality in a porcine donation after circulatory death (DCD) model of normothermic perfusion. <i>PLoS ONE</i> , 2019, 14, e0220786.	2.5	6
75	Pan-caspase inhibitor F573 mitigates liver ischemia reperfusion injury in a murine model. <i>PLoS ONE</i> , 2019, 14, e0224567.	2.5	6
76	Photoacoustic imaging of angiogenesis in a subcutaneous islet transplant site in a murine model. <i>Journal of Biomedical Optics</i> , 2016, 21, 066003.	2.6	5
77	Comparison of metabolic responses to the mixed meal tolerance test vs the oral glucose tolerance test after successful clinical islet transplantation. <i>Clinical Transplantation</i> , 2018, 32, e13301.	1.6	5
78	Total pancreatectomy with islet cell autotransplantation in a 2-year-old child with hereditary pancreatitis due to a PRSS1 mutation. <i>American Journal of Transplantation</i> , 2021, 21, 3790-3793.	4.7	5
79	Heterotopic Pancreas within the Proximal Hepatic Duct, Containing Intraductal Papillary Mucinous Neoplasm. <i>Case Reports in Surgery</i> , 2015, 2015, 1-4.	0.4	4
80	A case of double common bile duct in a deceased donor for transplantation. <i>Surgical and Radiologic Anatomy</i> , 2017, 39, 1409-1411.	1.2	4
81	The Transition to Microsurgical Technique for Hepatic Artery Reconstruction in Pediatric Liver Transplantation. <i>Plastic and Reconstructive Surgery</i> , 2021, 148, 248e-257e.	1.4	4
82	Pancreas Versus Islets After a Successful Kidney Transplant. <i>Current Transplantation Reports</i> , 2014, 1, 124-135.	2.0	3
83	Normothermic Preservation of Liver — What Does the Future Hold?. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1288, 13-31.	1.6	3
84	The TIM Family of Cosignaling Receptors: Emerging Targets for the Regulation of Autoimmune Disease and Transplantation Tolerance. <i>Cell Transplantation</i> , 2007, 16, 977-986.	2.5	2
85	Donor-specific Antibody in Pediatric Liver Transplantation—Identifying a Tree by Its Fruit. <i>Transplantation</i> , 2015, 99, 1314-1315.	1.0	1
86	Low energy X-ray (grenz ray) treatment of purified islets prior to allotransplant markedly decreases passenger leukocyte populations. <i>Islets</i> , 2017, 9, e1330742.	1.8	1
87	Hepatic Epithelioid Hemangioendothelioma Presenting as an Enlarging Vascular Lesion within the Spleen. <i>Case Reports in Transplantation</i> , 2018, 2018, 1-3.	0.3	1
88	Perioperative Outcomes Following Kidney-Pancreas Transplantation in Alberta, Canada: Research Letter. <i>Canadian Journal of Kidney Health and Disease</i> , 2021, 8, 205435812110293.	1.1	1