Anissa Gamble

List of Publications by Year
in descending order

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88	6,952	159358 30	62479 80
papers	citations	h-index	g-index

91	91	91	7188
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Five-Year Follow-Up After Clinical Islet Transplantation. Diabetes, 2005, 54, 2060-2069.	0.3	1,489
2	Comprehensive human cell-type methylation atlas reveals origins of circulating cell-free DNA in health and disease. Nature Communications, 2018, 9, 5068.	5.8	584
3	Clinical pancreatic islet transplantation. Nature Reviews Endocrinology, 2017, 13, 268-277.	4.3	525
4	Phase 3 Trial of Transplantation of Human Islets in Type 1 Diabetes Complicated by Severe Hypoglycemia. Diabetes Care, 2016, 39, 1230-1240.	4.3	498
5	Identification of tissue-specific cell death using methylation patterns of circulating DNA. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1826-34.	3.3	492
6	A prevascularized subcutaneous device-less site for islet and cellular transplantation. Nature Biotechnology, 2015, 33, 518-523.	9.4	293
7	p16Ink4a-induced senescence of pancreatic beta cells enhances insulin secretion. Nature Medicine, 2016, 22, 412-420.	15.2	252
8	Update on Islet Transplantation. Cold Spring Harbor Perspectives in Medicine, 2012, 2, a007823-a007823.	2.9	179
9	Factors Influencing the Loss of Î²-Cell Mass in Islet Transplantation. Cell Transplantation, 2007, 16, 1-8.	1.2	144
10	National Institutes of Healthâ€“Sponsored Clinical Islet Transplantation Consortium Phase 3 Trial: Manufacture of a Complex Cellular Product at Eight Processing Facilities. Diabetes, 2016, 65, 3418-3428.	0.3	143
11	The journey of islet cell transplantation and future development. Islets, 2018, 10, 80-94.	0.9	126
12	Insulin expression and C-peptide in type 1 diabetes subjects implanted with stem cell-derived pancreatic endoderm cells in an encapsulation device. Cell Reports Medicine, 2021, 2, 100466.	3.3	126
13	The Portal Immunosuppressive Storm. Therapeutic Drug Monitoring, 2005, 27, 35-37.	1.0	117
14	Human Mesenchymal Stem Cells Protect Human Islets from Pro-Inflammatory Cytokines. PLoS ONE, 2012, 7, e38189.	1.1	112
15	Insulin-Heparin Infusions Peritransplant Substantially Improve Single-Donor Clinical Islet Transplant Success. Transplantation, 2010, 89, 465-471.	0.5	108
16	Diabetes Is Reversed in a Murine Model by Marginal Mass Syngeneic Islet Transplantation Using a Subcutaneous Cell Pouch Device. Transplantation, 2015, 99, 2294-2300.	0.5	97
17	Research-Focused Isolation of Human Islets From Donors With and Without Diabetes at the Alberta Diabetes Institute IsletCore. Endocrinology, 2016, 157, 560-569.	1.4	97
18	Clinical islet transplant: current and future directions towards tolerance. Immunological Reviews, 2003, 196, 219-236.	2.8	73

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19	Transplantation of Human Pancreatic Endoderm Cells Reverses Diabetes Post Transplantation in a Prevascularized Subcutaneous Site. Stem Cell Reports, 2017, 8, 1689-1700.	2.3	68
20	Pancreatic islet transplantation in type 1 diabetes: 20-year experience from a single-centre cohort in Canada. Lancet Diabetes and Endocrinology,the, 2022, 10, 519-532.	5.5	65
21	Caspase Inhibitor Therapy Enhances Marginal Mass Islet Graft Survival and Preserves Long-Term Function in Islet Transplantation. Diabetes, 2007, 56, 1289-1298.	0.3	64
22	Phase 3 trial of human islet-after-kidney transplantation in type 1 diabetes. American Journal of Transplantation, 2021, 21, 1477-1492.	2.6	64
23	Transient Cold Storage Prior to Normothermic Liver Perfusion May Facilitate Adoption of a Novel Technology. Liver Transplantation, 2019, 25, 1503-1513.	1.3	63
24	Factors influencing the loss of beta-cell mass in islet transplantation. Cell Transplantation, 2007, 16, 1-8.	1.2	57
25	The Caspase Selective Inhibitor EP1013 Augments Human Islet Graft Function and Longevity in Marginal Mass Islet Transplantation in Mice. Diabetes, 2008, 57, 1556-1566.	0.3	55
26	A Backâ€toâ€Base Experience of Human Normothermic Ex Situ Liver Perfusion: Does the Chill Kill?. Liver Transplantation, 2019, 25, 848-858.	1.3	54
27	Improved islet recovery and efficacy through co-culture and co-transplantation of islets with human adipose-derived mesenchymal stem cells. PLoS ONE, 2018, 13, e0206449.	1.1	49
28	Islet cells share promoter hypomethylation independently of expression, but exhibit cell-typeâ€“specific methylation in enhancers. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13525-13530.	3.3	49
29	Beta Cell Death by Cell-free DNA and Outcome After Clinical Islet Transplantation. Transplantation, 2018, 102, 978-985.	0.5	40
30	Harnessing the Foreign Body Reaction in Marginal Mass Device-less Subcutaneous Islet Transplantation in Mice. Transplantation, 2016, 100, 1474-1479.	0.5	36
31	Research Productivity of Residents and Surgeons With Formal Research Training. Journal of Surgical Education, 2014, 71, 865-870.	1.2	35
32	Postnatal Exocrine Pancreas Growth by Cellular Hypertrophy Correlates with a Shorter Lifespan in Mammals. Developmental Cell, 2018, 45, 726-737.e3.	3.1	32
33	Improvement of Pancreatic Islet Isolation Outcomes Using Glutamine Perfusion during Isolation Procedure. Cell Transplantation, 2003, 12, 877-881.	1.2	30
34	Chemokines and Their Receptors in Islet Allograft Rejection and as Targets for Tolerance Induction. Cell Transplantation, 2006, 15, 295-309.	1.2	30
35	Islet cell transplantation. Seminars in Pediatric Surgery, 2014, 23, 83-90.	0.5	29
36	The Role of Normothermic Perfusion in Liver Transplantation (TRaNsIT Study): A Systematic Review of Preliminary Studies. HPB Surgery, 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. Transplant International, 2016, 29, 34-40.	0.8	28
38	Defining optimal immunosuppression for islet transplantation based on reduced diabetogenicity in canine islet autografts. Transplantation, 2002, 74, 1522-1528.	0.5	27
39	Glucose-dependent partitioning of arginine to the urea cycle protects Î²-cells from inflammation. Nature Metabolism, 2020, 2, 432-446.	5.1	27
40	Endogenous Pancreatic Enzyme Activity Levels Show no Significant Effect on Human Islet Isolation Yield. Cell Transplantation, 2004, 13, 153-160.	1.2	26
41	Antiaging Glycopeptide Protects Human Islets Against Tacrolimus-Related Injury and Facilitates Engraftment in Mice. Diabetes, 2016, 65, 451-462.	0.3	23
42	Future Trends in Islet Cell Transplantation. Diabetes Technology and Therapeutics, 2000, 2, 449-452.	2.4	22
43	Progress in Translational Regulatory T Cell Therapies for Type 1 Diabetes and Islet Transplantation. Endocrine Reviews, 2021, 42, 198-218.	8.9	22
44	Glucose metabolism and pyruvate carboxylase enhance glutathione synthesis and restrict oxidative stress in pancreatic islets. Cell Reports, 2021, 37, 110037.	2.9	21
45	Glutathione Ethyl Ester Supplementation during Pancreatic Islet Isolation Improves Viability and Transplant Outcomes in a Murine Marginal Islet Mass Model. PLoS ONE, 2013, 8, e55288.	1.1	20
46	Engraftment Site and Effectiveness of the Pan-Caspase Inhibitor F573 to Improve Engraftment in Mouse and Human Islet Transplantation in Mice. Transplantation, 2017, 101, 2321-2329.	0.5	20
47	Intraoperative continuous renal replacement therapy during liver transplantation: a pilot randomized-controlled trial (INCEPTION). Canadian Journal of Anaesthesia, 2019, 66, 1151-1161.	0.7	20
48	The Need for Ethnoracial Equity in Artificial Intelligence for Diabetes Management: Review and Recommendations. Journal of Medical Internet Research, 2021, 23, e22320.	2.1	20
49	Neuronal PAS Domain Protein 4 Suppression of Oxygen Sensing Optimizes Metabolism during Excitation of Neuroendocrine Cells. Cell Reports, 2018, 22, 163-174.	2.9	19
50	Normothermic Ex Vivo Machine Perfusion for Liver Grafts Recovered from Donors after Circulatory Death: A Systematic Review and Meta-Analysis. HPB Surgery, 2018, 2018, 1-8.	2.2	19
51	The Challenges of COVID-19 for People Living With Diabetes: Considerations for Digital Health. JMIR Diabetes, 2020, 5, e19581.	0.9	18
52	An engineered cell sheet composed of human islets and human fibroblast, bone marrowâ€“derived mesenchymal stem cells, or adiposeâ€“derived mesenchymal stem cells: An in vitro comparison study. Islets, 2018, 10, e1445948.	0.9	17
53	Clearance of transaminases during normothermic ex situ liver perfusion. PLoS ONE, 2019, 14, e0215619.	1.1	17
54	Systematic Review and Meta-Analysis on the Impact of Thrombolytic Therapy in Liver Transplantation Following Donation after Circulatory Death. Journal of Clinical Medicine, 2018, 7, 425.	1.0	16

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55	Virtual Primary Care Implementation During COVID-19 in High-Income Countries: A Scoping Review. Telemedicine Journal and E-Health, 2022, 28, 920-931.	1.6	16
56	BMX-001, a novel redox-active metalloporphyrin, improves islet function and engraftment in a murine transplant model. American Journal of Transplantation, 2018, 18, 1879-1889.	2.6	15
57	The Actual Operative Costs of Liver Transplantation and Normothermic Machine Perfusion in a Canadian Setting. PharmacoEconomics - Open, 2021, 5, 311-318.	0.9	15
58	Update on islet cell transplantation. Current Opinion in Organ Transplantation, 2021, 26, 397-404.	0.8	15
59	Caspase Inhibitor IDN6556 Facilitates Marginal Mass Islet Engraftment in a Porcine Islet Autotransplant Model. Transplantation, 2012, 94, 30-35.	0.5	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. Islets, 2016, 8, e1190058.	0.9	13
61	Islet transplantation in type 1 diabetes: moving forward. Lancet Diabetes and Endocrinology,the, 2018, 6, 516-517.	5.5	13
62	Islet-after-failed-pancreas and pancreas-after-failed islet transplantation: Two complementary rescue strategies to control diabetes. Islets, 2015, 7, e1126036.	0.9	12
63	Diaphragmatic Hernia After Living Donor Right Hepatectomy: Proposal for a Screening Protocol. Transplantation Direct, 2016, 2, e84.	0.8	12
64	Determination of Minimal Hemoglobin Level Necessary for Normothermic Porcine Ex Situ Liver Perfusion. Transplantation, 2018, 102, 1284-1292.	0.5	11
65	Normothermic ex-vivo liver perfusion: where do we stand and where to reach?. Expert Review of Gastroenterology and Hepatology, 2018, 12, 1045-1058.	1.4	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. American Journal of Transplantation, 2021, , .	2.6	11
67	Preclinical models of acute liver failure: a comprehensive review. PeerJ, 2021, 9, e12579.	0.9	11
68	Induction of Expandable Tissue-Specific Progenitor Cells from Human Pancreatic Tissue through Transient Expression of Defined Factors. Molecular Therapy - Methods and Clinical Development, 2019, 13, 243-252.	1.8	9
69	Insulinoma or non-insulinoma pancreatogenous hypoglycemia? A diagnostic dilemma. Journal of Surgical Case Reports, 2016, 2016, rjw188.	0.2	8
70	Liver Transplantation in Locally Unresectable, Undifferentiated Embryonal Cell Sarcoma. Transplantation Direct, 2021, 7, e654.	0.8	8
71	Ex situ liver perfusion: Organ preservation into the future. Transplantation Reviews, 2018, 32, 132-141.	1.2	7
72	HCV Eradication with Direct-Acting Antivirals Does Not Impact HCC Progression on the Waiting List or HCC Recurrence after Liver Transplantation. Canadian Journal of Gastroenterology and Hepatology, 2019, 2019, 1-12.	0.8	7

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73	Gearing Up for Stem Cell-derived Beta Cellsâ€"Are We Ready?. Transplantation, 2018, 102, 1207-1208.	0.5	6
74	Avoiding initial hypothermia does not improve liver graft quality in a porcine donation after circulatory death (DCD) model of normothermic perfusion. PLoS ONE, 2019, 14, e0220786.	1.1	6
75	Pan-caspase inhibitor F573 mitigates liver ischemia reperfusion injury in a murine model. PLoS ONE, 2019, 14, e0224567.	1.1	6
76	Photoacoustic imaging of angiogenesis in a subcutaneous islet transplant site in a murine model. Journal of Biomedical Optics, 2016, 21, 066003.	1.4	5
77	Comparison of metabolic responses to the mixed meal tolerance test vs the oral glucose tolerance test after successful clinical islet transplantation. Clinical Transplantation, 2018, 32, e13301.	0.8	5
78	Total pancreatectomy with islet cell autotransplantation in a 2-year-old child with hereditary pancreatitis due to a PRSS1 mutation. American Journal of Transplantation, 2021, 21, 3790-3793.	2.6	5
79	Heterotopic Pancreas within the Proximal Hepatic Duct, Containing Intraductal Papillary Mucinous Neoplasm. Case Reports in Surgery, 2015, 2015, 1-4.	0.2	4
80	A case of double common bile duct in a deceased donor for transplantation. Surgical and Radiologic Anatomy, 2017, 39, 1409-1411.	0.6	4
81	The Transition to Microsurgical Technique for Hepatic Artery Reconstruction in Pediatric Liver Transplantation. Plastic and Reconstructive Surgery, 2021, 148, 248e-257e.	0.7	4
82	Pancreas Versus Islets After a Successful Kidney Transplant. Current Transplantation Reports, 2014, 1, 124-135.	0.9	3
83	Normothermic Preservation of Liver â€“ What Does the Future Hold?. Advances in Experimental Medicine and Biology, 2020, 1288, 13-31.	0.8	3
84	The TIM Family of Cosignaling Receptors: Emerging Targets for the Regulation of Autoimmune Disease and Transplantation Tolerance. Cell Transplantation, 2007, 16, 977-986.	1.2	2
85	Donor-specific Antibody in Pediatric Liver Transplantationâ€"Identifying a Tree by Its Fruit. Transplantation, 2015, 99, 1314-1315.	0.5	1
86	Low energy X-ray (grenz ray) treatment of purified islets prior to allotransplant markedly decreases passenger leukocyte populations. Islets, 2017, 9, e1330742.	0.9	1
87	Hepatic Epithelioid Hemangioendothelioma Presenting as an Enlarging Vascular Lesion within the Spleen. Case Reports in Transplantation, 2018, 2018, 1-3.	0.1	1
88	Perioperative Outcomes Following Kidney-Pancreas Transplantation in Alberta, Canada: Research Letter. Canadian Journal of Kidney Health and Disease, 2021, 8, 205435812110293.	0.6	1