Gregory S Korbutt

List of Publications by Year
in descending order

41 papers	8,246 citations	331670 21 h-index	315739 38 g-index
41 all docs	41 docs citations	41 times ranked	5091 citing authors

#	Article	IF	Citations
1	Vascularized Stem Cellâ€"derived Î²-cell Spheroids: A â€œSingle Stepâ€•in the Right Direction for the Treatment of Type 1 Diabetes. Transplantation, 2022, 106, 12-13.	1.0	3
2	Bioabsorption of Subcutaneous Nanofibrous Scaffolds Influences the Engraftment and Function of Neonatal Porcine Islets. Polymers, 2022, 14, 1120.	4.5	9
3	Clinical Translation of Porcine Islets for Treating Type 1 Diabetes. Current Opinion in Endocrine and Metabolic Research, 2022, , 100354.	1.4	0
4	Impact of donor and prolonged cold ischemia time of neonatal pig pancreas on neonatal pig islet transplant outcome. Xenotransplantation, 2021, 28, e12663.	2.8	0
5	Conditioning the liver into a favorable niche for pancreatic islet engraftment. American Journal of Transplantation, 2021, 21, 2927-2928.	4.7	2
6	Reinforcing one-carbon metabolism via folic acid/Folr1 promotes Î²-cell differentiation. Nature Communications, 2021, 12, 3362.	12.8	15
7	Xenotransplantation of tannic acidâ€encapsulated neonatal porcine islets decreases proinflammatory innate immune responses. Xenotransplantation, 2021, 28, e12706.	2.8	10
8	Selection of a novel AAV2/TNFAIP3 vector for local suppression of islet xenograft inflammation. Xenotransplantation, 2021, 28, e12669.	2.8	4
9	Co-localized immune protection using dexamethasone-eluting micelles in a murine islet allograft model. American Journal of Transplantation, 2020, 20, 714-725.	4.7	25
10	Fibrin supports subcutaneous neonatal porcine islet transplantation without the need for preâ€vascularization. Xenotransplantation, 2020, 27, e12575.	2.8	11
11	Current State and Evidence of Cellular Encapsulation Strategies in Type 1 Diabetes. , 2020, 10, 839-878.		19
12	Coâ€transplantation of human adiposeâ€derived mesenchymal stem cells with neonatal porcine islets within a prevascularized subcutaneous space augments the xenograft function. Xenotransplantation, 2020, 27, e12581.	2.8	16
13	A20 as an immune tolerance factor can determine islet transplant outcomes. JCI Insight, 2019, 4, .	5.0	27
14	Functional Maturation and In Vitro Differentiation of Neonatal Porcine Islet Grafts. Transplantation, 2018, 102, e413-e423.	1.0	28
15	Ferroptosis-inducing agents compromise in vitro human islet viability and function. Cell Death and Disease, 2018, 9, 595.	6.3	106
16	In vitro characterization of neonatal, juvenile, and adult porcine islet oxygen demand, Î²â€cell function, and transcriptomes. Xenotransplantation, 2018, 25, e12432.	2.8	20
17	Cotransplantation of Mesenchymal Stem Cells With Neonatal Porcine Islets Improve Graft Function in Diabetic Mice. Diabetes, 2017, 66, 1312-1321.	0.6	38
18	Porcine Islet Xenografts: a Clinical Source of ÃŸ-Cell Grafts. Current Diabetes Reports, 2017, 17, 14.	4.2	22

#	Article	IF	Citations
19	Developing Hybrid Polymer Scaffolds Using Peptide Modified Biopolymers for Cell Implantation. ACS Biomaterials Science and Engineering, 2017, 3, 2215-2222.	5.2	10
20	Optimization and Scale-up Isolation and Culture of Neonatal Porcine Islets: Potential for Clinical Application. Cell Transplantation, 2016, 25, 539-547.	2.5	35
21	Justifying clinical trials for porcine islet xenotransplantation. Xenotransplantation, 2015, 22, 336-344.	2.8	27
22	Development and Characterization of a Collagen-Based Matrix for Vascularization and Cell Delivery. BioResearch Open Access, 2015, 4, 188-197.	2.6	5
23	Bioengineering a highly vascularized matrix for the ectopic transplantation of islets. Islets, 2013, 5, 216-225.	1.8	26
24	Chapter 3: Pig islet product manufacturing and release testing. Xenotransplantation, 2009, 16, 223-228.	2.8	22
25	What type of islets should be used?. Xenotransplantation, 2008, 15, 81-82.	2.8	14
26	Combination of Anti-CD4 with Anti-LFA-1 and Anti-CD154 Monoclonal Antibodies Promotes Long-Term Survival and Function of Neonatal Porcine Islet Xenografts in Spontaneously Diabetic NOD Mice. Cell Transplantation, 2007, 16, 787-798.	2.5	21
27	Comparison of Successful and Unsuccessful Islet/Sertoli Cell Cotransplant Grafts in Streptozotocin-Induced Diabetic Mice. Cell Transplantation, 2007, 16, 1029-1038.	2.5	34
28	Long-Term Graft Function after Allogeneic Islet Transplantation. Cell Transplantation, 2007, 16, 441-446.	2.5	25
29	Delayed functional maturation of neonatal porcine islets in recipients under strict glycemic control. Xenotransplantation, 2007, 14, 333-338.	2.8	21
30	International Trial of the Edmonton Protocol for Islet Transplantation. New England Journal of Medicine, 2006, 355, 1318-1330.	27.0	1,754
31	Neonatal Porcine Islets Exhibit Natural Resistance to Hypoxia-Induced Apoptosis. Transplantation, 2006, 82, 945-952.	1.0	66
32	Long-term survival of neonatal porcine islets in nonhuman primates by targeting costimulation pathways. Nature Medicine, 2006, 12, 304-306.	30.7	439
33	Reversal of Diabetes in Pancreatectomized Pigs After Transplantation of Neonatal Porcine Islets. Diabetes, 2005, 54, 1032-1039.	0.6	61
34	Development of an Ectopic Site for Islet Transplantation, Using Biodegradable Scaffolds. Tissue Engineering, 2005, 11, 1323-1331.	4.6	97
35	The Degree of Phylogenetic Disparity of Islet Grafts Dictates the Reliance on Indirect CD4 T-Cell Antigen Recognition for Rejection. Diabetes, 2003, 52, 1433-1440.	0.6	40
36	Peroxynitrite Is a Mediator of Cytokine-Induced Destruction of Human Pancreatic Islet Î² Cells. Laboratory Investigation, 2001, 81, 1683-1692.	3.7	78

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37	<i>In Vitro</i> Maturation of Neonatal Porcine Islets. Annals of the New York Academy of Sciences, 2001, 944, 47-61.	3.8	17
38	Glucose-Dependent Insulin Release from Genetically Engineered K Cells. Science, 2000, 290, 1959-1962.	12.6	268
39	Islet Transplantation in Seven Patients with Type 1 Diabetes Mellitus Using a Glucocorticoid-Free Immunosuppressive Regimen. New England Journal of Medicine, 2000, 343, 230-238.	27.0	4,772
40	Bioartificial organs and acceptable risk. Nature Biotechnology, 1999, 17, 1045-1045.	17.5	25
41	Potential Application of Neonatal Porcine Islets as Treatment for Type 1 Diabetes: A Review. Annals of the New York Academy of Sciences, 1999, 875, 175-188.	3.8	34