Marten A Engelse

List of Publications by Year
in descending order

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36 papers	1,900 citations	471509 17 h-index	454955 30 g-index
36 all docs	36 docs citations	36 times ranked	4090 citing authors

#	Article	IF	Citations
1	A Single-Cell Transcriptome Atlas of the Human Pancreas. Cell Systems, 2016, 3, 385-394.e3.	6.2	966
2	Loss of Î²-Cell Identity Occurs in Type 2 Diabetes and Is Associated With Islet Amyloid Deposits. Diabetes, 2015, 64, 2928-2938.	0.6	141
3	Expansion of Adult Human Pancreatic Tissue Yields Organoids Harboring Progenitor Cells with Endocrine Differentiation Potential. Stem Cell Reports, 2018, 10, 712-724.	4.8	106
4	Controlled aggregation of primary human pancreatic islet cells leads to glucoseâ€responsive pseudoislets comparable to native islets. Journal of Cellular and Molecular Medicine, 2015, 19, 1836-1846.	3.6	64
5	DAMP production by human islets under low oxygen and nutrients in the presence or absence of an immunoisolating-capsule and necrostatin-1. Scientific Reports, 2015, 5, 14623.	3.3	60
6	Hybrid Polycaprolactone/Alginate Scaffolds Functionalized with VEGF to Promote de Novo Vessel Formation for the Transplantation of Islets of Langerhans. Advanced Healthcare Materials, 2016, 5, 1606-1616.	7.6	60
7	Concise Review: The Endothelial Cell Extracellular Matrix Regulates Tissue Homeostasis and Repair. Stem Cells Translational Medicine, 2019, 8, 375-382.	3.3	55
8	Pancreatic islet macroencapsulation using microwell porous membranes. Scientific Reports, 2017, 7, 9186.	3.3	45
9	Oxidative Stress Leads to Î²-Cell Dysfunction Through Loss of Î²-Cell Identity. Frontiers in Immunology, 2021, 12, 690379.	4.8	44
10	Hypothermic Oxygenated Machine Perfusion of the Human Donor Pancreas. Transplantation Direct, 2018, 4, e388.	1.6	43
11	Vascular bioengineering of scaffolds derived from human discarded transplant kidneys using human pluripotent stem cellâ€“derived endothelium. American Journal of Transplantation, 2019, 19, 1328-1343.	4.7	39
12	Layered PEGDA hydrogel for islet of Langerhans encapsulation and improvement of vascularization. Journal of Materials Science: Materials in Medicine, 2017, 28, 195.	3.6	28
13	Proteasomal Degradation of Proinsulin Requires Derlin-2, HRD1 and p97. PLoS ONE, 2015, 10, e0128206.	2.5	27
14	Coculturing Human Islets with Proangiogenic Support Cells to Improve Islet Revascularization at the Subcutaneous Transplantation Site. Tissue Engineering - Part A, 2016, 22, 375-385.	3.1	27
15	Clinical-Grade Isolated Human Kidney Perivascular Stromal Cells as an Organotypic Cell Source for Kidney Regenerative Medicine. Stem Cells Translational Medicine, 2017, 6, 405-418.	3.3	25
16	Heterogeneity of Human Pancreatic Islet Isolation Around Europe: Results of a Survey Study. Transplantation, 2020, 104, 190-196.	1.0	22
17	Metabolic imaging of fatty kidney in diabesity: validation and dietary intervention. Nephrology Dialysis Transplantation, 2018, 33, 224-230.	0.7	21
18	Islet-After-Lung Transplantation in a Patient With Cystic Fibrosisâ€“Related Diabetes. Diabetes Care, 2014, 37, e159-e160.	8.6	20

#	Article	IF	Citations
19	Metabolic needs of the kidney graft undergoing normothermic machine perfusion. Kidney International, 2021, 100, 301-310.	5.2	15
20	Pancreatic Î±â€cell mass in obesity. Diabetes, Obesity and Metabolism, 2017, 19, 1810-1813.	4.4	14
21	Microwell Scaffolds Using Collagen-IV and Laminin-111 Lead to Improved Insulin Secretion of Human Islets. Tissue Engineering - Part C: Methods, 2019, 25, 71-81.	2.1	14
22	Oxidative stress in pancreatic alpha and beta cells as a selection criterion for biocompatible biomaterials. Biomaterials, 2021, 267, 120449.	11.4	11
23	Clinical use of donation after circulatory death pancreas for islet transplantation. American Journal of Transplantation, 2021, 21, 3077-3087.	4.7	11
24	US food and drug administration (FDA) panel endorses islet cell treatment for type 1 diabetes: A pyrrhic victory?. Transplant International, 2021, 34, 1182-1186.	1.6	10
25	The human kidney capsule contains a functionally distinct mesenchymal stromal cell population. PLoS ONE, 2017, 12, e0187118.	2.5	9
26	A High Cellâ€Bearing Capacity Multibore Hollow Fiber Device for Macroencapsulation of Islets of Langerhans. Macromolecular Bioscience, 2020, 20, 2000021.	4.1	8
27	Hypothermic oxygenated machine perfusion of the human pancreas for clinical islet isolation: a prospective feasibility study. Transplant International, 2021, 34, 1397-1407.	1.6	8
28	A Novel Clinical Grade Isolation Method for Human Kidney Perivascular Stromal Cells. Journal of Visualized Experiments, 2017, , .	0.3	3
29	PRISM: A Novel Human Islet Isolation Technique. Transplantation, 2022, 106, 1271-1278.	1.0	2
30	Quantification of Unmethylated Insulin DNA Using Methylation Sensitive Restriction Enzyme Digital Polymerase Chain Reaction. Transplant International, 2022, 35, 10167.	1.6	2
31	PS18 - 87. Transdifferentation of human beta-cells into alpha-cells. Nederlands Tijdschrift Voor Diabetologie, 2011, 9, 151-151.	0.0	0
32	PS18 - 88. Expansion of human beta cell progenitors using a three-dimensional culture system. Nederlands Tijdschrift Voor Diabetologie, 2011, 9, 151-152.	0.0	0
33	PS18 - 89. Î²-cell adaptation is heterogeneous in response to insulin resistance. Nederlands Tijdschrift Voor Diabetologie, 2011, 9, 152-152.	0.0	0
34	PS2 - 10. Enterovirus-Infected Human Pancreatic Islets Produce Pro-inflammatory Cytokines and Chemokines and Activate Primary Human Myeloid Dendritic Cells. Nederlands Tijdschrift Voor Diabetologie, 2012, 10, 105-106.	0.0	0
35	PS18 - 3. Loss of beta-cell identity occurs in type 2 diabetes and is associated with islet amyloid depositions. Nederlands Tijdschrift Voor Diabetologie, 2013, 11, 201-201.	0.0	0
36	P.100: Impact of Islet Purity on Short- and Long-term Graft Function in Islet Allotransplantation. Transplantation, 2021, 105, S35-S35.	1.0	0