Manami Hara

List of Publications by Year
in descending order

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72 papers	4,500 citations	168829 31 h-index	120465 65 g-index
73 all docs	73 docs citations	73 times ranked	5730 citing authors

#	Article	IF	Citations
1	In Vivo and In Situ Approach to Study Islet Microcirculation: A Mini-Review. Frontiers in Endocrinology, 2021, 12, 602620.	1.5	3
2	Dynamin deficiency causes insulin secretion failure and hyperglycemia. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	7
3	Pancreatic Islets and Gestalt Principles. Diabetes, 2020, 69, 1864-1874.	0.3	10
4	Implications of Integrated Pancreatic Microcirculation: Crosstalk between Endocrine and Exocrine Compartments. Diabetes, 2020, 69, 2566-2574.	0.3	9
5	Integrated Pancreatic Blood Flow: Bidirectional Microcirculation Between Endocrine and Exocrine Pancreas. Diabetes, 2020, 69, 1439-1450.	0.3	52
6	The Local Paracrine Actions of the Pancreatic Î±-Cell. Diabetes, 2020, 69, 550-558.	0.3	42
7	Developmental exposure to the endocrine disruptor tolylfluanid induces sex-specific later-life metabolic dysfunction. Reproductive Toxicology, 2019, 89, 74-82.	1.3	10
8	Disparity in Adiposity among Adults with Normal Body Mass Index and Waist-to-Height Ratio. IScience, 2019, 21, 612-623.	1.9	8
9	Pancreatic beta cell/islet mass and body mass index. Islets, 2019, 11, 1-9.	0.9	14
10	Heterogeneity of the Human Pancreatic Islet. Diabetes, 2019, 68, 1230-1239.	0.3	65
11	Three-Dimensional Analysis of the Human Pancreas. Endocrinology, 2018, 159, 1393-1400.	1.4	36
12	Femtosecond laser desorption ionization mass spectrometry imaging and multivariate analysis of lipids in pancreatic tissue. Biointerphases, 2018, 13, 03B416.	0.6	9
13	Pancreatic and Islet Remodeling in Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) Knockout Ferrets. American Journal of Pathology, 2018, 188, 876-890.	1.9	20
14	Arsenic exposure induces glucose intolerance and alters global energy metabolism. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 314, R294-R303.	0.9	39
15	Beta-cell hubs maintain Ca²⁺ oscillations in human and mouse islet simulations. Islets, 2018, 10, 151-167.	0.9	43
16	Case Report: Preservation of Reduced Numbers of Insulin-Positive Cells in Sulfonylurea-Unresponsive KCNJ11-related Diabetes. Journal of Clinical Endocrinology and Metabolism, 2017, 102, jc.2016-2826.	1.8	24
17	Decrease in Ins+Glut2LO Î²-cells with advancing age in mouse and human pancreas. Journal of Endocrinology, 2017, 233, 229-241.	1.2	9
18	Quantitative analysis of intra- and inter-individual variability of human beta-cell mass. Scientific Reports, 2017, 7, 16398.	1.6	31

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19	Design Principles of Pancreatic Islets: Glucose-Dependent Coordination of Hormone Pulses. PLoS ONE, 2016, 11, e0152446.	1.1	20
20	Adaptation of pancreatic islet cyto-architecture during development. Physical Biology, 2016, 13, 025004.	0.8	5
21	A Transient Metabolic Recovery from Early Life Glucose Intolerance in Cystic Fibrosis Ferrets Occurs During Pancreatic Remodeling. Endocrinology, 2016, 157, 1852-1865.	1.4	37
22	Stereological analyses of the whole human pancreas. Scientific Reports, 2016, 6, 34049.	1.6	30
23	Comparative Analysis of Islet Development. Pancreatic Islet Biology, 2016, , 49-63.	0.1	1
24	Mathematical Modeling of Islet Generation, Degeneration and Regeneration. Pancreatic Islet Biology, 2016, , 65-81.	0.1	1
25	Resting beta-cellsÂâ€“ÂA functional reserve?. Diabetes and Metabolism, 2016, 42, 157-161.	1.4	10
26	The Beta Cell in Its Cluster: Stochastic Graphs of Beta Cell Connectivity in the Islets of Langerhans. PLoS Computational Biology, 2015, 11, e1004423.	1.5	23
27	The FOXP1, FOXP2 and FOXP4 transcription factors are required for islet alpha cell proliferation and function in mice. Diabetologia, 2015, 58, 1836-1844.	2.9	41
28	Beta-cell destruction and preservation in childhood and adult onset type 1 diabetes. Endocrine, 2015, 49, 693-702.	1.1	36
29	Diabetes associated metabolomic perturbations in NOD mice. Metabolomics, 2015, 11, 425-437.	1.4	33
30	Dynamic Recruitment of Functionally Distinct Swi/Snf Chromatin Remodeling Complexes Modulates Pdx1 Activity in Islet Î² Cells. Cell Reports, 2015, 10, 2032-2042.	2.9	53
31	Systemic alterations in the metabolome of diabetic NOD mice delineate increased oxidative stress accompanied by reduced inflammation and hypertriglyceremia. American Journal of Physiology - Endocrinology and Metabolism, 2015, 308, E978-E989.	1.8	46
32	Reduced Tyk2 gene expression in Î²-cells due to natural mutation determines susceptibility to virus-induced diabetes. Nature Communications, 2015, 6, 6748.	5.8	45
33	Evidence of non-pancreatic beta cell-dependent roles of Tcf7l2 in the regulation of glucose metabolism in mice. Human Molecular Genetics, 2015, 24, 1646-1654.	1.4	28
34	A Conserved Rule for Pancreatic Islet Organization. PLoS ONE, 2014, 9, e110384.	1.1	42
35	Transgenic Pigs with Pancreas-specific Expression of Green Fluorescent Protein. Journal of Reproduction and Development, 2014, 60, 230-237.	0.5	15
36	Chronological Analysis With Fluorescent Timer Reveals Unique Features of Newly Generated Î²-Cells. Diabetes, 2014, 63, 3388-3393.	0.3	15

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37	The fractal spatial distribution of pancreatic islets in three dimensions: a self-avoiding growth model. Physical Biology, 2013, 10, 036009.	0.8	8
38	Distinct function of the head region of human pancreas in the pathogenesis of diabetes. Islets, 2013, 5, 226-228.	0.9	15
39	Quantitative Analysis of Pancreatic Polypeptide Cell Distribution in the Human Pancreas. PLoS ONE, 2013, 8, e55501.	1.1	64
40	Regional Differences in Islet Distribution in the Human Pancreas - Preferential Beta-Cell Loss in the Head Region in Patients with Type 2 Diabetes. PLoS ONE, 2013, 8, e67454.	1.1	138
41	Quantification of islet size and architecture. Islets, 2012, 4, 167-172.	0.9	97
42	Mathematical models of pancreatic islet size distributions. Islets, 2012, 4, 10-19.	0.9	28
43	No New Islet Formation after Neonatal Islet Fission. Biophysical Journal, 2011, 100, 612a-613a.	0.2	0
44	Formation of Pancreatic Islets Involves Coordinated Expansion of Small Islets and Fission of Large Interconnected Islet-like Structures. Biophysical Journal, 2011, 101, 565-574.	0.2	33
45	Altered Islet Composition and Disproportionate Loss of LargeÂIslets in Patients with Type 2 Diabetes. PLoS ONE, 2011, 6, e27445.	1.1	103
46	Computer-assisted Large-scale Visualization and Quantification of Pancreatic Islet Mass, Size Distribution and Architecture. Journal of Visualized Experiments, 2011, , .	0.2	13
47	Coating Human Pancreatic Islets With CD4+CD25highCD127â^' Regulatory T Cells as a Novel Approach for the Local Immunoprotection. Annals of Surgery, 2011, 254, 512-519.	2.1	39
48	Characterization of anIn VitroDifferentiation Assay for Pancreatic-Like Cell Development from Murine Embryonic Stem Cells: Detailed Gene Expression Analysis. Assay and Drug Development Technologies, 2011, 9, 403-419.	0.6	19
49	GSK-3 inactivation or depletion promotes Î²-cell replication via down regulation of the CDK inhibitor, p27 (Kip1). Islets, 2011, 3, 21-34.	0.9	25
50	In situ Quantification of Pancreatic Beta-cell Mass in Mice. Journal of Visualized Experiments, 2010, , .	0.2	4
51	Synthesized basement membranes direct the differentiation of mouse embryonic stem cells into pancreatic lineages. Journal of Cell Science, 2010, 123, 2733-2742.	1.2	64
52	Intraislet production of GLP-1 by activation of prohormone convertase 1/3 in pancreatic Î±-cells in mouse models of Î²-cell regeneration. Islets, 2010, 2, 149-155.	0.9	109
53	Pancreatic islet plasticity: Interspecies comparison of islet architecture and composition. Islets, 2010, 2, 135-145.	0.9	372
54	Tracing phenotypic reversibility of pancreatic Î²â€cells in vitro. Journal of Diabetes Investigation, 2010, 1, 242-251.	1.1	4

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55	Tracing phenotypic reversibility of pancreatic Î²-cells in vitro. Journal of Diabetes Investigation, 2010, 1, no-no.	1.1	0
56	Quantification of pancreatic islet distribution in situ in mice. American Journal of Physiology - Endocrinology and Metabolism, 2009, 297, E1331-E1338.	1.8	37
57	Islet architecture: A comparative study. Islets, 2009, 1, 129-136.	0.9	285
58	Generation of embryonic stem cells from mouse insulin I promoter-green fluorescent protein transgenic mice and characterization in a teratoma model. In Vitro Cellular and Developmental Biology - Animal, 2009, 45, 1-5.	0.7	6
59	Role of HNF-1Î± in regulating the expression of genes involved in cellular growth and proliferation in pancreatic beta-cells. Diabetes Research and Clinical Practice, 2009, 84, 19-26.	1.1	6
60	No mantle formation in rodent isletsâ€"The prototype of islet revisited. Diabetes Research and Clinical Practice, 2009, 85, 252-257.	1.1	65
61	Islet Formation during the Neonatal Development in Mice. PLoS ONE, 2009, 4, e7739.	1.1	60
62	Glial Cell Line-Derived Neurotrophic Factor Increases Î²-Cell Mass and Improves Glucose Tolerance. Gastroenterology, 2008, 134, 727-737.	0.6	39
63	Transgenic mice over expressing Glial Derived Neurotrophic Factor have increased beta cell mass. FASEB Journal, 2007, 21, A1314.	0.2	1
64	Imaging pancreatic Î²-cells in the intact pancreas. American Journal of Physiology - Endocrinology and Metabolism, 2006, 290, E1041-E1047.	1.8	58
65	Response to Comment on Chong et al. on Diabetes Reversal in NOD Mice. Science, 2006, 314, 1243b-1243b.	6.0	5
66	High resolution optical imaging of infarction in intact organs. BioTechniques, 2005, 39, 373-376.	0.8	4
67	Imaging endoplasmic reticulum calcium with a fluorescent biosensor in transgenic mice. American Journal of Physiology - Cell Physiology, 2004, 287, C932-C938.	2.1	52
68	A Mouse Model for Studying Intrahepatic Islet Transplantation. Transplantation, 2004, 78, 615-618.	0.5	27
69	Transgenic mice with green fluorescent protein-labeled pancreatic Î²-cells. American Journal of Physiology - Endocrinology and Metabolism, 2003, 284, E177-E183.	1.8	284
70	Insulin Resistance Is Attenuated in Women with Polycystic Ovary Syndrome with the Pro¹²Ala Polymorphism in the PPARÎ³ Gene. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 772-775.	1.8	82
71	Genetic variation in the gene encoding calpain-10 is associated with type 2 diabetes mellitus. Nature Genetics, 2000, 26, 163-175.	9.4	1,403
72	Relationship of Calpain-10 Genotype to Phenotypic Features of Polycystic Ovary Syndrome. , 0, .		39