Adrian Kee Keong Teo

List of Publications by Year
in descending order

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57	2,345	279798	223800
papers	citations	23 h-index	46 g-index

60	60	60	3938
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Imeglimin Ameliorates Î²-Cell Apoptosis by Modulating the Endoplasmic Reticulum Homeostasis Pathway. Diabetes, 2022, 71, 424-439.	0.6	26
2	Generating pancreatic beta-like cells from human pluripotent stem cells. Methods in Cell Biology, 2022, , .	1.1	0
3	Chromatin Immunoprecipitation in Human Pluripotent Stem Cell-Derived 3D Organoids to Analyze DNAâ€“Protein Interactions. Methods in Molecular Biology, 2022, 2429, 215-232.	0.9	3
4	Manufacturing clinicalâ€grade human induced pluripotent stem cellâ€derived beta cells for diabetes treatment. Cell Proliferation, 2022, 55, e13232.	5.3	5
5	Multidisciplinary Effort to Drive Precision-Medicine for the Future. Frontiers in Digital Health, 2022, 4, 845405.	2.8	3
6	Quality criteria for in vitro human pluripotent stem cell-derived models of tissue-based cells. Reproductive Toxicology, 2022, 112, 36-50.	2.9	2
7	Considerations in using human pluripotent stem cellâ€“derived pancreatic beta cells to treat type 1 diabetes. , 2021, , 173-203.		0
8	Defective insulin receptor signaling in hPSCs skews pluripotency and negatively perturbs neural differentiation. Journal of Biological Chemistry, 2021, 296, 100495.	3.4	2
9	Metformin Perturbs Pancreatic Differentiation From Human Embryonic Stem Cells. Diabetes, 2021, 70, 1689-1702.	0.6	6
10	Decreased GLUT2 and glucose uptake contribute to insulin secretion defects in MODY3/HNF1A hiPSC-derived mutant Î² cells. Nature Communications, 2021, 12, 3133.	12.8	36
11	Protocol for the generation of pancreatic and hepatic progenitors from human pluripotent stem cells for gene regulatory assays. STAR Protocols, 2021, 2, 100471.	1.2	0
12	Paired box 6 programs essential exocytotic genes in the regulation of glucose-stimulated insulin secretion and glucose homeostasis. Science Translational Medicine, 2021, 13, .	12.4	13
13	Progressive endoplasmic reticulum stress over time due to human insulin gene mutation contributes to pancreatic beta cell dysfunction. Diabetologia, 2021, 64, 2534-2549.	6.3	2
14	Tissue engineering and 3D printing of bioartificial pancreas for regenerative medicine in diabetes. Trends in Endocrinology and Metabolism, 2021, 32, 609-622.	7.1	18
15	Insights from single cell studies of human pancreatic islets and stem cell-derived islet cells to guide functional beta cell maturation in vitro. Vitamins and Hormones, 2021, 116, 193-233.	1.7	2
16	Charting the next century of insulin replacement with cell and gene therapies. Med, 2021, 2, 1138-1162.	4.4	3
17	New insights into human beta cell biology using human pluripotent stem cells. Seminars in Cell and Developmental Biology, 2020, 103, 31-40.	5.0	15
18	Dynamic proteome profiling of human pluripotent stem cell-derived pancreatic progenitors. Stem Cells, 2020, 38, 542-555.	3.2	6

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19	The type 2 diabetes gene product STARD10 is a phosphoinositide-binding protein that controls insulin secretory granule biogenesis. Molecular Metabolism, 2020, 40, 101015.	6.5	22
20	BCL-xL/BCL2L1 is a critical anti-apoptotic protein that promotes the survival of differentiating pancreatic cells from human pluripotent stem cells. Cell Death and Disease, 2020, 11, 378.	6.3	25
21	Replicates in stem cell models-How complicated!. Stem Cells, 2020, 38, 1055-1059.	3.2	10
22	A new perspective of probe development for imaging pancreatic beta cell in vivo. Seminars in Cell and Developmental Biology, 2020, 103, 3-13.	5.0	6
23	Multimodal Imaging Probe Development for Pancreatic Î² Cells: From Fluorescence to PET. Journal of the American Chemical Society, 2020, 142, 3430-3439.	13.7	34
24	Dominant-negative NFKBIA mutation promotes IL-1Î² production causing hepatic disease with severe immunodeficiency. Journal of Clinical Investigation, 2020, 130, 5817-5832.	8.2	17
25	Tools for Bioimaging Pancreatic Î² Cells in Diabetes. Trends in Molecular Medicine, 2019, 25, 708-722.	6.7	25
26	HNF4A Haploinsufficiency in MODY1 Abrogates Liver and Pancreas Differentiation from Patient-Derived Induced Pluripotent Stem Cells. IScience, 2019, 16, 192-205.	4.1	37
27	Increased Î²-cell proliferation before immune cell invasion prevents progression of type 1 diabetes. Nature Metabolism, 2019, 1, 509-518.	11.9	38
28	Human duct cells contribute to Î² cell compensation in insulin resistance. JCI Insight, 2019, 4, .	5.0	43
29	Human Islet Isolation and Distribution Efforts for Clinical and Basic Research. OBM Transplantation, 2019, 3, 1-1.	0.2	11
30	1784-P: Studying the Impact of Heterozygous Human INS Gene Mutation on Pancreatic ÃŸ Cell. Diabetes, 2019, 68, 1784-P.	0.6	1
31	326-LB: BCL-xL/BCL2L1 Is a Critical Anti-Apoptotic Protein that Suppresses BAK to Promote Pancreatic Specification from Human Pluripotent Stem Cells. Diabetes, 2019, 68, .	0.6	0
32	Heterogeneity and cell fate flux in single human pancreatic islet cells. Cell Death and Disease, 2018, 9, 222.	6.3	4
33	Single-cell analyses of human islet cells reveal de-differentiation signatures. Cell Death Discovery, 2018, 4, 14.	4.7	35
34	An arduous journey from human pluripotent stem cells to functional pancreatic Î² cells. Diabetes, Obesity and Metabolism, 2018, 20, 3-13.	4.4	37
35	The molecular functions of hepatocyte nuclear factors â€“ In and beyond the liver. Journal of Hepatology, 2018, 68, 1033-1048.	3.7	175
36	Cover Image, Volume 20, Issue 1. Diabetes, Obesity and Metabolism, 2018, 20, i-i.	4.4	0

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37	Metformin from mother to unborn child â€“ Are there unwarranted effects?. EBioMedicine, 2018, 35, 394-404.	6.1	40
38	Role of Celastrol in Chemosensitization of Cancer. , 2018, , 141-150.		2
39	Gestational Diabetes Alters Functions in Offspringâ€™s Umbilical Cord Cells With Implications for Cardiovascular Health. Endocrinology, 2017, 158, 2102-2112.	2.8	24
40	Proinflammatory Cytokines Induce Endocrine Differentiation in Pancreatic Ductal Cells via STAT3-Dependent NGN3 Activation. Cell Reports, 2016, 15, 460-470.	6.4	61
41	Early Developmental Perturbations in a Human Stem Cell Model of MODY5/HNF1B Pancreatic Hypoplasia. Stem Cell Reports, 2016, 6, 357-367.	4.8	57
42	PDX1 Binds and Represses Hepatic Genes to Ensure Robust Pancreatic Commitment in Differentiating Human Embryonic Stem Cells. Stem Cell Reports, 2015, 4, 578-590.	4.8	44
43	Dissecting diabetes/metabolic disease mechanisms using pluripotent stem cells and genome editing tools. Molecular Metabolism, 2015, 4, 593-604.	6.5	24
44	Cellular stress drives pancreatic plasticity. Science Translational Medicine, 2015, 7, 273ps2.	12.4	11
45	Excessive Cellular Proliferation Negatively Impacts Reprogramming Efficiency of Human Fibroblasts. Stem Cells Translational Medicine, 2015, 4, 1101-1108.	3.3	11
46	Knowledge Gaps in Rodent Pancreas Biology: Taking Human Pluripotent Stem Cell-Derived Pancreatic Beta Cells into Our Own Hands. Frontiers in Endocrinology, 2015, 6, 194.	3.5	10
47	Soluble Factors Secreted by T Cells Promote Î²-Cell Proliferation. Diabetes, 2014, 63, 188-202.	0.6	65
48	Comparable Generation of Activin-Induced Definitive Endoderm via Additive Wnt or BMP Signaling in Absence of Serum. Stem Cell Reports, 2014, 3, 5-14.	4.8	47
49	New Opportunities: Harnessing Induced Pluripotency for Discovery in Diabetes and Metabolism. Cell Metabolism, 2013, 18, 775-791.	16.2	44
50	Derivation of Human Induced Pluripotent Stem Cells from Patients with Maturity Onset Diabetes of the Young*. Journal of Biological Chemistry, 2013, 288, 5353-5356.	3.4	102
51	Setting sail for glucose homeostasis with the AKAP150-PP2B-anchor. EMBO Journal, 2012, 31, 3956-3957.	7.8	3
52	Activin and BMP4 Synergistically Promote Formation of Definitive Endoderm in Human Embryonic Stem Cells. Stem Cells, 2012, 30, 631-642.	3.2	97
53	Activin/Nodal Signaling Controls Divergent Transcriptional Networks in Human Embryonic Stem Cells and in Endoderm Progenitors. Stem Cells, 2011, 29, 1176-1185.	3.2	150
54	Pluripotency factors regulate definitive endoderm specification through eomesodermin. Genes and Development, 2011, 25, 238-250.	5.9	303

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55	Emerging use of stem cells in regenerative medicine. Biochemical Journal, 2010, 428, 11-23.	3.7	92
56	SIP1 Mediates Cell-Fate Decisions between Neuroectoderm and Mesendoderm in Human Pluripotent Stem Cells. Cell Stem Cell, 2010, 6, 59-70.	11.1	115
57	Activin/Nodal signalling maintains pluripotency by controlling Nanog expression. Development (Cambridge), 2009, 136, 1339-1349.	2.5	379