Diego Balboa

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4686214/publications.pdf

Version: 2024-02-01

26 papers	1,266 citations	430874 18 h-index	526287 27 g-index
34 all docs	34 docs citations	34 times ranked	1958 citing authors

#	Article	IF	Citations
1	Conditionally Stabilized dCas9 Activator for Controlling Gene Expression in Human Cell Reprogramming and Differentiation. Stem Cell Reports, 2015, 5, 448-459.	4.8	158
2	Functional, metabolic and transcriptional maturation of human pancreatic islets derived from stem cells. Nature Biotechnology, 2022, 40, 1042-1055.	17.5	135
3	Human pluripotent reprogramming with CRISPR activators. Nature Communications, 2018, 9, 2643.	12.8	128
4	Insulin mutations impair beta-cell development in a patient-derived iPSC model of neonatal diabetes. ELife, 2018, 7, .	6.0	114
5	An Activating STAT3 Mutation Causes Neonatal Diabetes through Premature Induction of Pancreatic Differentiation. Cell Reports, 2017, 19, 281-294.	6.4	94
6	Pancreatic Î²-cell tRNA hypomethylation and fragmentation link TRMT10A deficiency with diabetes. Nucleic Acids Research, 2018, 46, 10302-10318.	14.5	93
7	Activin A and Wnt-dependent specification of human definitive endoderm cells. Experimental Cell Research, 2013, 319, 2535-2544.	2.6	60
8	Pharmacological reactivation of MYC-dependent apoptosis induces susceptibility to anti-PD-1 immunotherapy. Nature Communications, 2019, 10, 620.	12.8	60
9	A Strong Contractile Actin Fence and Large Adhesions Direct Human Pluripotent Colony Morphology and Adhesion. Stem Cell Reports, 2017, 9, 67-76.	4.8	59
10	Concise Review: Human Pluripotent Stem Cells for the Modeling of Pancreatic Î²-Cell Pathology. Stem Cells, 2019, 37, 33-41.	3.2	45
11	Loss of MANF Causes Childhood-Onset Syndromic Diabetes Due to Increased Endoplasmic Reticulum Stress. Diabetes, 2021, 70, 1006-1018.	0.6	37
12	Human pluripotent stem cell based islet models for diabetes research. Best Practice and Research in Clinical Endocrinology and Metabolism, 2015, 29, 899-909.	4.7	25
13	Redox regulation of GRPEL2 nucleotide exchange factor for mitochondrial HSP70 chaperone. Redox Biology, 2018, 19, 37-45.	9.0	25
14	SUR1-mutant iPS cell-derived islets recapitulate the pathophysiology of congenital hyperinsulinism. Diabetologia, 2021, 64, 630-640.	6.3	25
15	Selective MicroRNA-Offset RNA Expression in Human Embryonic Stem Cells. PLoS ONE, 2015, 10, e0116668.	2.5	25
16	Human Pluripotent Stem Cells to Model Islet Defects in Diabetes. Frontiers in Endocrinology, 2021, 12, 642152.	3.5	24
17	Intestinal Commitment and Maturation of Human Pluripotent Stem Cells Is Independent of Exogenous FGF4 and R-spondin1. PLoS ONE, 2015, 10, e0134551.	2.5	23
18	Transcription Factor PROX1 Suppresses Notch Pathway Activation via the Nucleosome Remodeling and Deacetylase Complex in Colorectal Cancer Stemâ€“like Cells. Cancer Research, 2018, 78, 5820-5832.	0.9	20

#	Article	IF	Citations
19	Genome editing of human pancreatic beta cell models: problems, possibilities and outlook. Diabetologia, 2019, 62, 1329-1336.	6.3	20
20	Characterization of the human GnRH neuron developmental transcriptome using a GNRH1-TdTomato reporter line in human pluripotent stem cells. DMM Disease Models and Mechanisms, 2020, 13, .	2.4	20
21	p73 is required for appropriate BMP-induced mesenchymal-to-epithelial transition during somatic cell reprogramming. Cell Death and Disease, 2017, 8, e3034-e3034.	6.3	16
22	CRISPR activation enables high-fidelity reprogramming into human pluripotent stem cells. Stem Cell Reports, 2022, 17, 413-426.	4.8	13
23	Generation of a SOX2 reporter human induced pluripotent stem cell line using CRISPR/SaCas9. Stem Cell Research, 2017, 22, 16-19.	0.7	11
24	A complex genomic locus drives mt DNA replicase POLG expression to its diseaseâ€related nervous system regions. EMBO Molecular Medicine, 2018, 10, 13-21.	6.9	8
25	Generation of an OCT4 reporter human induced pluripotent stem cell line using CRISPR/SpCas9. Stem Cell Research, 2017, 23, 105-108.	0.7	4
26	Kaposiâ€™s Sarcoma-Associated Herpesvirus Reactivation by Targeting of a dCas9-Based Transcription Activator to the ORF50 Promoter. Viruses, 2020, 12, 952.	3.3	3