

Toshihiko Ezashi

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,687
citations

361413

20
h-index

477307

29
g-index

32
all docs

32
docs citations

32
times ranked

3638
citing authors

#	ARTICLE	IF	CITATIONS
1	Low O ₂ tensions and the prevention of differentiation of hES cells. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 4783-4788.	7.1	765
2	Derivation of induced pluripotent stem cells from pig somatic cells. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 10993-10998.	7.1	434
3	Complete and unidirectional conversion of human embryonic stem cells to trophoblast by BMP4. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E1212-21.	7.1	226
4	Vulnerability of primitive human placental trophoblast to Zika virus. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E1587-E1596.	7.1	152
5	Comparison of syncytiotrophoblast generated from human embryonic stem cells and from term placentas. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2598-607.	7.1	142
6	Engraftment of human iPS cells and allogeneic porcine cells into pigs with inactivated <i>RAG2</i> and accompanying severe combined immunodeficiency. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7260-7265.	7.1	99
7	Leukemia Inhibitory Factor (LIF)-dependent, Pluripotent Stem Cells Established from Inner Cell Mass of Porcine Embryos. Journal of Biological Chemistry, 2011, 286, 28948-28953.	3.4	93
8	Pluripotent Stem Cells from Domesticated Mammals. Annual Review of Animal Biosciences, 2016, 4, 223-253.	7.4	85
9	Effects of FGF2 and oxygen in the BMP4-driven differentiation of trophoblast from human embryonic stem cells. Stem Cell Research, 2007, 1, 61-74.	0.7	83
10	Differentiation of trophoblast cells from human embryonic stem cells: to be or not to be?. Reproduction, 2014, 147, D1-D12.	2.6	66
11	Heightened potency of human pluripotent stem cell lines created by transient BMP4 exposure. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2337-46.	7.1	62
12	African and Asian strains of Zika virus differ in their ability to infect and lyse primitive human placental trophoblast. PLoS ONE, 2018, 13, e0200086.	2.5	58
13	Early onset preeclampsia in a model for human placental trophoblast. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 4336-4345.	7.1	55
14	Model systems for studying trophoblast differentiation from human pluripotent stem cells. Cell and Tissue Research, 2012, 349, 809-824.	2.9	53
15	Specification of trophoblast from embryonic stem cells exposed to BMP4. Biology of Reproduction, 2018, 99, 212-224.	2.7	49
16	Generation of Colonies of Induced Trophoblast Cells During Standard Reprogramming of Porcine Fibroblasts to Induced Pluripotent Stem Cells. Biology of Reproduction, 2011, 85, 779-787.	2.7	42
17	Syncytins expressed in human placental trophoblast. Placenta, 2021, 113, 8-14.	1.5	40
18	Deciphering transcriptional regulation in human embryonic stem cells specified towards a trophoblast fate. Scientific Reports, 2017, 7, 17257.	3.3	28

#	ARTICLE	IF	CITATIONS
19	Livestock Models for Exploiting the Promise of Pluripotent Stem Cells. <i>ILAR Journal</i> , 2015, 56, 74-82.	1.8	27
20	Use of a human embryonic stem cell model to discover GABRP, WFDC2, VTCN1 and ACTC1 as markers of early first trimester human trophoblast. <i>Molecular Human Reproduction</i> , 2020, 26, 425-440.	2.8	25
21	Transcriptional control of IFNT expression. <i>Reproduction</i> , 2017, 154, F21-F31.	2.6	25
22	A six-inhibitor culture medium for improving naïve-type pluripotency of porcine pluripotent stem cells. <i>Cell Death Discovery</i> , 2019, 5, 104.	4.7	16
23	Single Nucleus RNA Sequence (snRNAseq) Analysis of the Spectrum of Trophoblast Lineages Generated From Human Pluripotent Stem Cells in vitro. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 695248.	3.7	12
24	The product of BMP-directed differentiation protocols for human primed pluripotent stem cells is placental trophoblast and not amnion. <i>Stem Cell Reports</i> , 2022, 17, 1289-1302.	4.8	12
25	Abnormal Oxidative Stress Responses in Fibroblasts from Preeclampsia Infants. <i>PLoS ONE</i> , 2014, 9, e103110.	2.5	11
26	Is SARS-CoV-2 Infection a Risk Factor for Early Pregnancy Loss? ACE2 and TMPRSS2 Coexpression and Persistent Replicative Infection in Primitive Trophoblast. <i>Journal of Infectious Diseases</i> , 2021, 224, S660-S669.	4.0	10
27	Beyond fusion: A novel role for ERVW-1 in trophoblast proliferation and type I interferon receptor expression. <i>Placenta</i> , 2022, 126, 150-159.	1.5	6
28	Exploring early differentiation and pluripotency in domestic animals. <i>Reproduction, Fertility and Development</i> , 2017, 29, 101.	0.4	4
29	Transcriptome analysis of MBD5-associated neurodevelopmental disorder (MAND) neural progenitor cells reveals dysregulation of autism-associated genes. <i>Scientific Reports</i> , 2021, 11, 11295.	3.3	4
30	ITGA1 is upregulated in response to oxygen over time in a BMP4 model of trophoblast. <i>Molecular Reproduction and Development</i> , 2018, 85, 738-739.	2.0	1