Hiroaki Okae

List of Publications by Year
in descending order

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37 papers	2,563 citations	331670 21 h-index	377865 34 g-index
40 all docs	40 docs citations	40 times ranked	4659 citing authors

#	Article	IF	Citations
1	The microRNA cluster C19MC confers differentiation potential into trophoblast lineages upon human pluripotent stem cells. Nature Communications, 2022, 13, .	12.8	20
2	ASCL2 reciprocally controls key trophoblast lineage decisions during hemochorial placenta development. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	53
3	Abnormal cleavage is involved in the self-correction of bovine preimplantation embryos. Biochemical and Biophysical Research Communications, 2021, 562, 76-82.	2.1	4
4	Intersection of regulatory pathways controlling hemostasis and hemochorial placentation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	19
5	Unique features and emerging in vitro models of human placental development. Reproductive Medicine and Biology, 2020, 19, 301-313.	2.4	9
6	G protein subunit Î²1 is an important mediator of the late stage of endochondral ossification. Biochemical and Biophysical Research Communications, 2020, 533, 90-96.	2.1	1
7	Induction of Human Trophoblast Stem Cells from Somatic Cells and Pluripotent Stem Cells. Cell Reports, 2020, 33, 108419.	6.4	117
8	Histone deacetylase 1 and 2 drive differentiation and fusion of progenitor cells in human placental trophoblasts. Cell Death and Disease, 2020, 11, 311.	6.3	30
9	Atypical protein kinase C iota (PKCÎ»/Î¹) ensures mammalian development by establishing the maternalâ€“fetal exchange interface. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 14280-14291.	7.1	14
10	Naive Human Embryonic Stem Cells Can Give Rise to Cells with a Trophoblast-like Transcriptome and Methylome. Stem Cell Reports, 2020, 15, 198-213.	4.8	129
11	Epigenetic Alterations in Human Sperm. , 2019, , 1161-1176.		0
12	Cutting Edge: G Protein Subunit Î² 1 Negatively Regulates NLRP3 Inflammasome Activation. Journal of Immunology, 2019, 202, 1942-1947.	0.8	15
13	Association of four imprinting disorders and ART. Clinical Epigenetics, 2019, 11, 21.	4.1	115
14	Loss of p57 ^{KIP2} expression confers resistance to contact inhibition in human androgenetic trophoblast stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26606-26613.	7.1	24
15	Lactate dehydrogenase C is required for the protein expression of a sperm-specific isoform of lactate dehydrogenase A. Journal of Biochemistry, 2019, 165, 323-334.	1.7	15
16	Derivation of Human Trophoblast Stem Cells. Cell Stem Cell, 2018, 22, 50-63.e6.	11.1	570
17	Therapeutic Approaches to Imprinting Diseases. , 2018, , 861-875.		1
18	Factors associated with aberrant imprint methylation and oligozoospermia. Scientific Reports, 2017, 7, 42336.	3.3	37

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19	Transcriptomic signature of the follicular somatic compartment surrounding an oocyte with high developmental competence. Scientific Reports, 2017, 7, 6815.	3.3	22
20	Genome-wide microRNA expression profiling in placentae from frozen-thawed blastocyst transfer. Clinical Epigenetics, 2017, 9, 79.	4.1	51
21	Incomplete reprogramming of germline DNA methylation in the human placenta. Placenta, 2016, 45, 113.	1.5	0
22	The International Human Epigenome Consortium: A Blueprint for Scientific Collaboration and Discovery. Cell, 2016, 167, 1145-1149.	28.9	404
23	Allele-Specific Methylome and Transcriptome Analysis Reveals Widespread Imprinting in the Human Placenta. American Journal of Human Genetics, 2016, 99, 1045-1058.	6.2	103
24	DNA Methylation Dynamics During Early Human Development. Journal of Mammalian Ova Research, 2016, 33, 101-107.	0.1	3
25	Genome-Scale Assessment of Age-Related DNA Methylation Changes in Mouse Spermatozoa. PLoS ONE, 2016, 11, e0167127.	2.5	14
26	Epigenetic alterations in sperm associated with male infertility. Congenital Anomalies (discontinued), 2015, 55, 133-144.	0.6	49
27	Genome-Wide Analysis of DNA Methylation Dynamics during Early Human Development. PLoS Genetics, 2014, 10, e1004868.	3.5	216
28	RNA sequencing-based identification of aberrant imprinting in cloned mice. Human Molecular Genetics, 2014, 23, 992-1001.	2.9	57
29	Imprinting methylation errors in ART. Reproductive Medicine and Biology, 2014, 13, 193-202.	2.4	66
30	<scp>DNA</scp> methylation errors in imprinting disorders and assisted reproductive technology. Pediatrics International, 2013, 55, 542-549.	0.5	30
31	Stability of genomic imprinting in human induced pluripotent stem cells. BMC Genetics, 2013, 14, 32.	2.7	31
32	Re-investigation and RNA sequencing-based identification of genes with placenta-specific imprinted expression. Human Molecular Genetics, 2012, 21, 548-558.	2.9	102
33	High-throughput detection of aberrant imprint methylation in the ovarian cancer by the bisulphite PCR-Luminex method. BMC Medical Genomics, 2012, 5, 8.	1.5	4
34	Characterization of DNA methylation errors in patients with imprinting disorders conceived by assisted reproduction technologies. Human Reproduction, 2012, 27, 2541-2548.	0.9	122
35	Assessing loss of imprint methylation in sperm from subfertile men using novel methylation polymerase chain reaction Luminex analysis. Fertility and Sterility, 2011, 95, 129-134.e4.	1.0	60
36	Neural tube defects and impaired neural progenitor cell proliferation in Gî²1â€deficient mice. Developmental Dynamics, 2010, 239, 1089-1101.	1.8	55

#	Article	IF	Citations
37	SS6-4 IL-17A and IL-17F are important for the development of intestinal polyps in APCmin mice by accelerating blood vessel formation. Cytokine, 2010, 52, 46.	3.2	0