

Hiroaki Okae

List of Publications by Year in descending order

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Version: 2024-02-01

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	Derivation of Human Trophoblast Stem Cells. <i>Cell Stem Cell</i> , 2018, 22, 50-63.e6.	11.1	570
2	The International Human Epigenome Consortium: A Blueprint for Scientific Collaboration and Discovery. <i>Cell</i> , 2016, 167, 1145-1149.	28.9	404
3	Genome-Wide Analysis of DNA Methylation Dynamics during Early Human Development. <i>PLoS Genetics</i> , 2014, 10, e1004868.	3.5	216
4	Naive Human Embryonic Stem Cells Can Give Rise to Cells with a Trophoblast-like Transcriptome and Methylome. <i>Stem Cell Reports</i> , 2020, 15, 198-213.	4.8	129
5	Characterization of DNA methylation errors in patients with imprinting disorders conceived by assisted reproduction technologies. <i>Human Reproduction</i> , 2012, 27, 2541-2548.	0.9	122
6	Induction of Human Trophoblast Stem Cells from Somatic Cells and Pluripotent Stem Cells. <i>Cell Reports</i> , 2020, 33, 108419.	6.4	117
7	Association of four imprinting disorders and ART. <i>Clinical Epigenetics</i> , 2019, 11, 21.	4.1	115
8	Allele-Specific Methylome and Transcriptome Analysis Reveals Widespread Imprinting in the Human Placenta. <i>American Journal of Human Genetics</i> , 2016, 99, 1045-1058.	6.2	103
9	Re-investigation and RNA sequencing-based identification of genes with placenta-specific imprinted expression. <i>Human Molecular Genetics</i> , 2012, 21, 548-558.	2.9	102
10	Imprinting methylation errors in ART. <i>Reproductive Medicine and Biology</i> , 2014, 13, 193-202.	2.4	66
11	Assessing loss of imprint methylation in sperm from subfertile men using novel methylation polymerase chain reaction Luminex analysis. <i>Fertility and Sterility</i> , 2011, 95, 129-134.e4.	1.0	60
12	RNA sequencing-based identification of aberrant imprinting in cloned mice. <i>Human Molecular Genetics</i> , 2014, 23, 992-1001.	2.9	57
13	Neural tube defects and impaired neural progenitor cell proliferation in <i>Grhl2</i> -deficient mice. <i>Developmental Dynamics</i> , 2010, 239, 1089-1101.	1.8	55
14	ASCL2 reciprocally controls key trophoblast lineage decisions during hemochorial placenta development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	53
15	Genome-wide microRNA expression profiling in placentae from frozen-thawed blastocyst transfer. <i>Clinical Epigenetics</i> , 2017, 9, 79.	4.1	51
16	Epigenetic alterations in sperm associated with male infertility. <i>Congenital Anomalies (discontinued)</i> , 2015, 55, 133-144.	0.6	49
17	Factors associated with aberrant imprint methylation and oligozoospermia. <i>Scientific Reports</i> , 2017, 7, 42336.	3.3	37
18	Stability of genomic imprinting in human induced pluripotent stem cells. <i>BMC Genetics</i> , 2013, 14, 32.	2.7	31

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19	<scp>DNA</scp> methylation errors in imprinting disorders and assisted reproductive technology. <i>Pediatrics International</i> , 2013, 55, 542-549.	0.5	30
20	Histone deacetylase 1 and 2 drive differentiation and fusion of progenitor cells in human placental trophoblasts. <i>Cell Death and Disease</i> , 2020, 11, 311.	6.3	30
21	Loss of p57 ^{KIP2} expression confers resistance to contact inhibition in human androgenetic trophoblast stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26606-26613.	7.1	24
22	Transcriptomic signature of the follicular somatic compartment surrounding an oocyte with high developmental competence. <i>Scientific Reports</i> , 2017, 7, 6815.	3.3	22
23	The microRNA cluster C19MC confers differentiation potential into trophoblast lineages upon human pluripotent stem cells. <i>Nature Communications</i> , 2022, 13, .	12.8	20
24	Intersection of regulatory pathways controlling hemostasis and hemochorial placentation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	19
25	Cutting Edge: G Protein Subunit $\beta 1$ Negatively Regulates NLRP3 Inflammasome Activation. <i>Journal of Immunology</i> , 2019, 202, 1942-1947.	0.8	15
26	Lactate dehydrogenase C is required for the protein expression of a sperm-specific isoform of lactate dehydrogenase A. <i>Journal of Biochemistry</i> , 2019, 165, 323-334.	1.7	15
27	Atypical protein kinase C iota (PKC ι) ensures mammalian development by establishing the maternal-fetal exchange interface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 14280-14291.	7.1	14
28	Genome-Scale Assessment of Age-Related DNA Methylation Changes in Mouse Spermatozoa. <i>PLoS ONE</i> , 2016, 11, e0167127.	2.5	14
29	Unique features and emerging in vitro models of human placental development. <i>Reproductive Medicine and Biology</i> , 2020, 19, 301-313.	2.4	9
30	High-throughput detection of aberrant imprint methylation in the ovarian cancer by the bisulphite PCR-Luminex method. <i>BMC Medical Genomics</i> , 2012, 5, 8.	1.5	4
31	Abnormal cleavage is involved in the self-correction of bovine preimplantation embryos. <i>Biochemical and Biophysical Research Communications</i> , 2021, 562, 76-82.	2.1	4
32	DNA Methylation Dynamics During Early Human Development. <i>Journal of Mammalian Ova Research</i> , 2016, 33, 101-107.	0.1	3
33	Therapeutic Approaches to Imprinting Diseases. , 2018, , 861-875.		1
34	G protein subunit $\beta 1$ is an important mediator of the late stage of endochondral ossification. <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, 90-96.	2.1	1
35	SS6-4 IL-17A and IL-17F are important for the development of intestinal polyps in APC ^{min} mice by accelerating blood vessel formation. <i>Cytokine</i> , 2010, 52, 46.	3.2	0
36	Incomplete reprogramming of germline DNA methylation in the human placenta. <i>Placenta</i> , 2016, 45, 113.	1.5	0

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37	Epigenetic Alterations in Human Sperm. , 2019, , 1161-1176.		0