

Pablo J Ross

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

939
citations

516681

16
h-index

610883

24
g-index

25
all docs

25
docs citations

25
times ranked

1083
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient derivation of stable primed pluripotent embryonic stem cells from bovine blastocysts. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2090-2095.	7.1	181
2	Functional annotations of three domestic animal genomes provide vital resources for comparative and agricultural research. Nature Communications, 2021, 12, 1821.	12.8	105
3	Embryonic POU5F1 is Required for Expanded Bovine Blastocyst Formation. Scientific Reports, 2018, 8, 7753.	3.3	74
4	Pig genome functional annotation enhances the biological interpretation of complex traits and human disease. Nature Communications, 2021, 12, 5848.	12.8	70
5	CRISPR/Cas9 microinjection in oocytes disables pancreas development in sheep. Scientific Reports, 2017, 7, 17472.	3.3	61
6	Chromatin remodeling in bovine embryos indicates species-specific regulation of genome activation. Nature Communications, 2020, 11, 4654.	12.8	53
7	Pluripotent stem cells and livestock genetic engineering. Transgenic Research, 2016, 25, 289-306.	2.4	46
8	A comparative analysis of chromatin accessibility in cattle, pig, and mouse tissues. BMC Genomics, 2020, 21, 698.	2.8	43
9	Differing molecular response of young and advanced maternal age human oocytes to IVF. Human Reproduction, 2017, 32, 2199-2208.	0.9	41
10	In vitro breeding: application of embryonic stem cells to animal production. Biology of Reproduction, 2019, 100, 885-895.	2.7	39
11	Recent progress in bovine in vitro-derived embryo cryotolerance: Impact of in vitro culture systems, advances in cryopreservation and future considerations. Reproduction in Domestic Animals, 2020, 55, 659-676.	1.4	37
12	Active H3K27me3 demethylation by KDM6B is required for normal development of bovine preimplantation embryos. Epigenetics, 2017, 12, 1048-1056.	2.7	30
13	Systematic alteration of ATAC-seq for profiling open chromatin in cryopreserved nuclei preparations from livestock tissues. Scientific Reports, 2020, 10, 5230.	3.3	26
14	Mosaicism diminishes the value of pre-implantation embryo biopsies for detecting CRISPR/Cas9 induced mutations in sheep. Transgenic Research, 2018, 27, 525-537.	2.4	24
15	Livestock Gene Editing by One-step Embryo Manipulation. Journal of Equine Veterinary Science, 2020, 89, 103025.	0.9	22
16	Molecular and genetic regulation of pig pancreatic islet cell development. Development (Cambridge), 2020, 147, .	2.5	21
17	Catalytic inhibition of H3K9me2 writers disturbs epigenetic marks during bovine nuclear reprogramming. Scientific Reports, 2020, 10, 11493.	3.3	12
18	Similarities between bovine and human germline development revealed by single-cell RNA sequencing. Reproduction, 2021, 161, 239-253.	2.6	12

#	ARTICLE	IF	CITATIONS
19	Transcription initiation mapping in 31 bovine tissues reveals complex promoter activity, pervasive transcription, and tissue-specific promoter usage. <i>Genome Research</i> , 2021, 31, 732-744.	5.5	11
20	Paternal genome rescues mouse preimplantation embryo development in the absence of maternally-recruited EZH2 activity. <i>Epigenetics</i> , 2019, 14, 94-108.	2.7	9
21	Gametes from stem cells: Status and applications in animal reproduction. <i>Reproduction in Domestic Animals</i> , 2019, 54, 22-31.	1.4	7
22	Metabolism-driven post-translational modifications of H3K9 in early bovine embryos. <i>Reproduction</i> , 2021, 162, 181-191.	2.6	7
23	Regulation of NANOG and SOX2 expression by activin A and a canonical WNT agonist in bovine embryonic stem cells and blastocysts. <i>Biology Open</i> , 2021, 10, .	1.2	6
24	Effects of sodium salicylate and time postpartum on mammary tissue proliferation, gene transcript profile, and DNA methylation. <i>Journal of Dairy Science</i> , 2021, 104, 11259-11276.	3.4	1