Bethany K Redel

List of Publications by Year
in descending order

18	482	840776 11	888059 17
papers	citations	h-index	g-index

18	18	18	554
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quadrupling efficiency in production of genetically modified pigs through improved oocyte maturation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5796-E5804.	7.1	102
2	Glycolysis in preimplantation development is partially controlled by the Warburg Effect. Molecular Reproduction and Development, 2012, 79, 262-271.	2.0	82
3	Glutamine supplementation enhances development of in vitro-produced porcine embryos and increases leucine consumption from the mediumâ€. Biology of Reproduction, 2018, 99, 938-948.	2.7	42
4	Glycine supplementation in vitro enhances porcine preimplantation embryo cell number and decreases apoptosis but does not lead to live births. Molecular Reproduction and Development, 2016, 83, 246-258.	2.0	33
5	Arginine increases development of in vitro-produced porcine embryos and affects the protein arginine methyltransferaseâ€“dimethylarginine dimethylaminohydrolaseâ€“nitric oxide axis. Reproduction, Fertility and Development, 2015, 27, 655.	0.4	32
6	A porcine model of phenylketonuria generated by CRISPR/Cas9 genome editing. JCI Insight, 2020, 5, .	5.0	29
7	Dickkopf-Related Protein 1 Inhibits the WNT Signaling Pathway and Improves Pig Oocyte Maturation. PLoS ONE, 2014, 9, e95114.	2.5	23
8	PS48 can replace bovine serum albumin in pig embryo culture medium, and improve in vitro embryo development by phosphorylating AKT. Molecular Reproduction and Development, 2015, 82, 315-320.	2.0	23
9	In Vitro Maturation, Fertilization, and Culture of Pig Oocytes and Embryos. Methods in Molecular Biology, 2019, 2006, 93-103.	0.9	23
10	Meganucleases Revolutionize the Production of Genetically Engineered Pigs for the Study of Human Diseases. Toxicologic Pathology, 2016, 44, 428-433.	1.8	21
11	Cardiovascular Development and Congenital Heart Disease Modeling in the Pig. Journal of the American Heart Association, 2021, 10, e021631.	3.7	21
12	Challenges and Considerations during In Vitro Production of Porcine Embryos. Cells, 2021, 10, 2770.	4.1	15
13	Replacement of bovine serum albumin with Nâ€methylâ€<scp>D</scp>â€aspartic acid and homocysteine improves development, but not live birth. Molecular Reproduction and Development, 2012, 79, 310-310.	2.0	10
14	Production of Pigs From Porcine Embryos Generated in vitro. Frontiers in Animal Science, 2022, 3, .	1.9	10
15	Neither gonadotropin nor cumulus cell expansion is needed for the maturation of competent porcine oocytes in vitroâ€. Biology of Reproduction, 2021, 105, 533-542.	2.7	8
16	Pharmacologic treatment of donor cells induced to have a Warburg effectâ€like metabolism does not alter embryonic development in vitro or survival during early gestation when used in somatic cell nuclear transfer in pigs. Molecular Reproduction and Development, 2018, 85, 290-302.	2.0	5
17	Effects of RAD51-stimulatory compound 1 (RS-1) and its vehicle, DMSO, on pig embryo culture. Reproductive Toxicology, 2021, 105, 44-52.	2.9	3
18	Gene editing provides a tool to investigate genes involved in reproduction of pigs. Molecular Reproduction and Development, 2023, 90, 459-468.	2.0	0