

Danielle Monniaux

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

2,360
citations

331538

21
h-index

302012

39
g-index

40
all docs

40
docs citations

40
times ranked

1821
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutation in bone morphogenetic protein receptor-1B is associated with increased ovulation rate in Booroola Merino ewes. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 5104-5109.	3.3	416
2	Regulation of folliculogenesis and the determination of ovulation rate in ruminants. Reproduction, Fertility and Development, 2011, 23, 444.	0.1	223
3	Regulation of ovulation rate in mammals: contribution of sheep genetic models. Reproductive Biology and Endocrinology, 2006, 4, 20.	1.4	160
4	The Ovarian Reserve of Primordial Follicles and the Dynamic Reserve of Antral Growing Follicles: What Is the Link?1. Biology of Reproduction, 2014, 90, 85.	1.2	158
5	Regulation of ovarian folliculogenesis by IGF and BMP system in domestic animals. Domestic Animal Endocrinology, 2002, 23, 139-154.	0.8	134
6	Regulation of Anti-MÅ¼llerian Hormone Production in the Cow: A Multiscale Study at Endocrine, Ovarian, Follicular, and Granulosa Cell Levels1. Biology of Reproduction, 2011, 84, 560-571.	1.2	116
7	Regulation of anti-MÅ¼llerian hormone production in domestic animals. Reproduction, Fertility and Development, 2013, 25, 1.	0.1	115
8	Driving folliculogenesis by the oocyte-somatic cell dialog: Lessons from genetic models. Theriogenology, 2016, 86, 41-53.	0.9	94
9	Intrafollicular Steroids and Anti-MÅ¼llerian Hormone During Normal and Cystic Ovarian Follicular Development in the Cow1. Biology of Reproduction, 2008, 79, 387-396.	1.2	91
10	The Highly Prolific Phenotype of Lacaune Sheep Is Associated with an Ectopic Expression of the B4GALNT2 Gene within the Ovary. PLoS Genetics, 2013, 9, e1003809.	1.5	90
11	Determination of anti-MÅ¼llerian hormone concentrations in blood as a tool to select Holstein donor cows for embryo production: from the laboratory to the farm. Reproduction, Fertility and Development, 2012, 24, 932.	0.1	88
12	Expression of Messenger Ribonucleic Acids of Insulin-Like Growth Factor Binding Proteins-2, -4, and -5 in the Ovine Ovary: Localization and Changes during Growth and Atresia of Antral Follicles1. Biology of Reproduction, 1996, 55, 1356-1367.	1.2	77
13	The Booroola mutation in sheep is associated with an alteration of the bone morphogenetic protein receptor-1B functionality. Journal of Endocrinology, 2003, 177, 435-444.	1.2	75
14	Anti-MÅ¼llerian hormone: a predictive marker of embryo production in cattle?. Reproduction, Fertility and Development, 2010, 22, 1083.	0.1	65
15	Anti-MÅ¼llerian Hormone Regulation by the Bone Morphogenetic Proteins in the Sheep Ovary: Deciphering a Direct Regulatory Pathway. Endocrinology, 2015, 156, 301-313.	1.4	51
16	A Comparative Analysis of Oocyte Development in Mammals. Cells, 2020, 9, 1002.	1.8	48
17	The Bone Morphogenetic Protein 15 Up-Regulates the Anti-MÅ¼llerian Hormone Receptor Expression in Granulosa Cells. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 2602-2611.	1.8	44
18	Follicular growth and ovarian dynamics in mammals. Journal of Reproduction and Fertility Supplement, 1997, 51, 3-23.	0.1	44

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19	Molecular evidence that follicle development is accelerated in vitro compared to in vivo. <i>Reproduction</i> , 2017, 153, 493-508.	1.1	39
20	Multiscale modelling of ovarian follicular development: From follicular morphogenesis to selection for ovulation. <i>Biology of the Cell</i> , 2016, 108, 149-160.	0.7	32
21	Multiscale modelling of ovarian follicular selection. <i>Progress in Biophysics and Molecular Biology</i> , 2013, 113, 398-408.	1.4	28
22	Postnatal pituitary and follicular activation: a revisited hypothesis in a sheep model. <i>Reproduction</i> , 2016, 151, 215-225.	1.1	20
23	Dietary propylene glycol and in vitro embryo production after ovum pick-up in heifers with different anti-Müllerian hormone profiles. <i>Reproduction, Fertility and Development</i> , 2015, 27, 1249.	0.1	19
24	Mathematical modeling approaches of cellular endocrinology within the hypothalamo-pituitary-gonadal axis. <i>Molecular and Cellular Endocrinology</i> , 2020, 518, 110877.	1.6	14
25	The Crazy Ovary. <i>Genes</i> , 2021, 12, 928.	1.0	13
26	Factors influencing establishment of the ovarian reserve and their effects on fertility. <i>Animal Reproduction</i> , 2018, 15, 635-647.	0.4	13
27	Développement folliculaire ovarien et ovulation chez les mammifères. <i>INRA Productions Animales</i> , 2020, 22, 59-76.	0.3	12
28	Folliculogenesis. , 2019, , 377-398.		10
29	Leukaemia inhibitory factor modulates the differentiation of granulosa cells during sheep <i>in vitro</i> preantral to antral follicle development and improves oocyte meiotic competence. <i>Molecular Human Reproduction</i> , 2021, 27, .	1.3	10
30	Coupled Somatic Cell Kinetics and Germ Cell Growth: Multiscale Model-Based Insight on Ovarian Follicular Development. <i>Multiscale Modeling and Simulation</i> , 2013, 11, 719-746.	0.6	9
31	Prenatal programming by testosterone of follicular theca cell functions in ovary. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 1177-1196.	2.4	9
32	BMP15 regulates the inhibin/activin system independently of ovulation rate control in sheep. <i>Reproduction</i> , 2017, 153, 395-404.	1.1	8
33	Investigating the role of BCAR4 in ovarian physiology and female fertility by genome editing in rabbit. <i>Scientific Reports</i> , 2020, 10, 4992.	1.6	8
34	Cell-Kinetics Based Calibration of a Multiscale Model of Structured Cell Populations in Ovarian Follicles. <i>SIAM Journal on Applied Mathematics</i> , 2016, 76, 1471-1491.	0.8	7
35	Association between Anti-Müllerian Hormone Concentration and Inflammation Markers in Serum during the Peripartum Period in Dairy Cows. <i>Animals</i> , 2021, 11, 1241.	1.0	6
36	Efficacy of a single measurement of plasma anti-Müllerian hormone concentration for ovum pick-up donor selection of Japanese Black heifers in herd breeding programs. <i>Journal of Reproduction and Development</i> , 2019, 65, 369-374.	0.5	5

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37	Mathematical modeling of ovarian follicle development: A population dynamics viewpoint. <i>Current Opinion in Endocrine and Metabolic Research</i> , 2021, 18, 54-61.	0.6	3
38	A bovine-specific FSH enzyme immunoassay and its application to study the role of FSH in ovarian follicle development during the postnatal period. <i>Animal</i> , 2019, 13, 1666-1675.	1.3	2
39	Anti-Müllerian hormone production in the ovary: a comparative study in bovine and porcine granulosa cells. <i>Biology of Reproduction</i> , 2020, 103, 572-582.	1.2	2
40	Characterization of serum metabolome changes during the 5 weeks prior to breeding in female goat kids. <i>Livestock Science</i> , 2021, 250, 104572.	0.6	2