

Alberto Maria Luciano

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

2,900
citations

147566

31
h-index

174990

52
g-index

89
all docs

89
docs citations

89
times ranked

2459
citing authors

#	ARTICLE	IF	CITATIONS
1	Sirtuins in gamete biology and reproductive physiology: emerging roles and therapeutic potential in female and male infertility. <i>Human Reproduction Update</i> , 2018, 24, 267-289.	5.2	170
2	Oocyte maturation and quality: role of cyclic nucleotides. <i>Reproduction</i> , 2016, 152, R143-R157.	1.1	152
3	Gap Junction-Mediated Communications Regulate Chromatin Remodeling During Bovine Oocyte Growth and Differentiation Through cAMP-Dependent Mechanism(s)1. <i>Biology of Reproduction</i> , 2011, 85, 1252-1259.	1.2	144
4	Developmental capability of denuded bovine oocyte in a Co-culture system with intact cumulus-oocyte complexes: Role of cumulus cells, cyclic adenosine 3',5'-monophosphate, and glutathione. <i>Molecular Reproduction and Development</i> , 2005, 71, 389-397.	1.0	139
5	Role of Intracellular Cyclic Adenosine 3',5'-Monophosphate Concentration and Oocyte-Cumulus Cells Communications on the Acquisition of the Developmental Competence During In Vitro Maturation of Bovine Oocyte1. <i>Biology of Reproduction</i> , 2004, 70, 465-472.	1.2	132
6	Large-scale chromatin remodeling in germinal vesicle bovine oocytes: Interplay with gap junction functionality and developmental competence. <i>Molecular Reproduction and Development</i> , 2007, 74, 740-749.	1.0	125
7	Phylogenomic Evidence for the Presence of a Flagellum and cbb3 Oxidase in the Free-Living Mitochondrial Ancestor. <i>Molecular Biology and Evolution</i> , 2011, 28, 3285-3296.	3.5	124
8	Changes in poly(A) tail length of maternal transcripts during in vitro maturation of bovine oocytes and their relation with developmental competence. <i>Molecular Reproduction and Development</i> , 1999, 52, 427-433.	1.0	105
9	Natriuretic Peptide Precursor C Delays Meiotic Resumption and Sustains Gap Junction-Mediated Communication in Bovine Cumulus-Enclosed Oocytes1. <i>Biology of Reproduction</i> , 2014, 91, 61.	1.2	103
10	Comparative analysis of calf and cow oocytes during in vitro maturation. <i>Molecular Reproduction and Development</i> , 1998, 49, 168-175.	1.0	100
11	Epidermal Growth Factor Inhibits Large Granulosa Cell Apoptosis by Stimulating Progesterone Synthesis and Regulating the Distribution of Intracellular Free Calcium1. <i>Biology of Reproduction</i> , 1994, 51, 646-654.	1.2	98
12	Oocyte morphology and transcriptional silencing in relation to chromatin remodeling during the final phases of bovine oocyte growth. <i>Molecular Reproduction and Development</i> , 2008, 75, 915-924.	1.0	82
13	The effects of epidermal growth factor and insulin-like growth factor I on the metabolic activity, nuclear maturation and subsequent development of cattle oocytes in vitro. <i>Reproduction</i> , 1998, 112, 123-130.	1.1	74
14	Effect of different cryopreservation protocols on cytoskeleton and gap junction mediated communication integrity in feline germinal vesicle stage oocytes. <i>Cryobiology</i> , 2009, 59, 90-95.	0.3	58
15	Progesterone receptor membrane component 1 expression and putative function in bovine oocyte maturation, fertilization, and early embryonic development. <i>Reproduction</i> , 2010, 140, 663-672.	1.1	58
16	In vitro reproductive toxicity of polychlorinated biphenyls: Effects on oocyte maturation and developmental competence in cattle. <i>Molecular Reproduction and Development</i> , 2001, 58, 411-416.	1.0	52
17	The influence of cAMP before or during bovine oocyte maturation on embryonic developmental competence. <i>Theriogenology</i> , 2001, 55, 1733-1743.	0.9	50
18	Glutathione content and glutathione peroxidase expression in in vivo and in vitro matured equine oocytes. <i>Molecular Reproduction and Development</i> , 2006, 73, 658-666.	1.0	50

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19	Role of gap junction-mediated communications in regulating large-scale chromatin configuration remodeling and embryonic developmental competence acquisition in fully grown bovine oocyte. <i>Journal of Assisted Reproduction and Genetics</i> , 2013, 30, 1219-1226.	1.2	50
20	The Adenosine Salvage Pathway as an Alternative to Mitochondrial Production of ATP in Maturing Mammalian Oocytes. <i>Biology of Reproduction</i> , 2014, 91, 75.	1.2	50
21	Successful in vitro maturation of oocytes: a matter of follicular differentiation. <i>Biology of Reproduction</i> , 2018, 98, 162-169.	1.2	49
22	The in vitro developmental competence of bovine oocytes can be related to the morphology of the ovary. <i>Theriogenology</i> , 1997, 48, 1153-1160.	0.9	48
23	The Effect of Cilostamide on Gap Junction Communication Dynamics, Chromatin Remodeling, and Competence Acquisition in Pig Oocytes Following Parthenogenetic Activation and Nuclear Transfer. <i>Biology of Reproduction</i> , 2013, 89, 68.	1.2	48
24	Changes in histone H4 acetylation during in vivo versus in vitro maturation of equine oocytes. <i>Molecular Human Reproduction</i> , 2012, 18, 243-252.	1.3	43
25	Localization of DNA methyltransferase-1 during oocyte differentiation, in vitro maturation and early embryonic development in cow. <i>European Journal of Histochemistry</i> , 2009, 53, 24.	0.6	41
26	Changes in large-scale chromatin structure and function during oogenesis: A journey in company with follicular cells. <i>Animal Reproduction Science</i> , 2014, 149, 3-10.	0.5	40
27	Chromatin remodelling and histone mRNA accumulation in bovine germinal vesicle oocytes. <i>Molecular Reproduction and Development</i> , 2015, 82, 450-462.	1.0	38
28	Expression of progesterone receptor membrane component-1 in bovine reproductive system during estrous cycle. <i>European Journal of Histochemistry</i> , 2011, 55, e27.	0.6	37
29	Transferability and inter-laboratory variability assessment of the in vitro bovine oocyte maturation (IVM) test within ReProTect. <i>Reproductive Toxicology</i> , 2010, 30, 81-88.	1.3	34
30	The endothelial nitric oxide synthase/nitric oxide system is involved in the defective quality of bovine oocytes from low mid-antral follicle count ovaries. <i>Journal of Animal Science</i> , 2011, 89, 2389-2396.	0.2	34
31	Differences in cumulus cell gene expression indicate the benefit of a pre-maturation step to improve in vitro bovine embryo production. <i>Molecular Human Reproduction</i> , 2016, 22, 882-897.	1.3	33
32	Effect of oral administration of low-dose follicle stimulating hormone on hyperandrogenized mice as a model of polycystic ovary syndrome. <i>Journal of Ovarian Research</i> , 2015, 8, 64.	1.3	31
33	Effect of Cell-to-Cell Contact on In Vitro Deoxyribonucleic Acid Synthesis and Apoptosis Responses of Bovine Granulosa Cells to Insulin-Like Growth Factor-I and Epidermal Growth Factor. <i>Biology of Reproduction</i> , 2000, 63, 1580-1585.	1.2	28
34	Effect of in Vivo Gonadotropin Treatment on the Ability of Progesterone, Estrogen, and Cyclic Adenosine 5'-Monophosphate to Inhibit Insulin-Dependent Granulosa Cell Mitosis in Vitro. <i>Biology of Reproduction</i> , 1995, 53, 664-669.	1.2	25
35	Large-scale chromatin morpho-functional changes during mammalian oocyte growth and differentiation. <i>European Journal of Histochemistry</i> , 2012, 56, 37.	0.6	25
36	Steroid hormones interact with natriuretic peptide C to delay nuclear maturation, to maintain oocyte-cumulus communication and to improve the quality of in vitro-produced embryos in cattle. <i>Reproduction, Fertility and Development</i> , 2017, 29, 2217.	0.1	25

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37	Effect of gonadotropins during in vitro maturation of feline oocytes on oocyte-cumulus cells functional coupling and intracellular concentration of glutathione. <i>Animal Reproduction Science</i> , 2006, 96, 66-78.	0.5	24
38	Reductions in the number of mid-sized antral follicles are associated with markers of premature ovarian senescence in dairy cows. <i>Reproduction, Fertility and Development</i> , 2014, 26, 235.	0.1	23
39	Effect of Vitrification of Feline Ovarian Cortex on Follicular and Oocyte Quality and Competence. <i>Reproduction in Domestic Animals</i> , 2012, 47, 385-391.	0.6	22
40	Innovative non-animal testing strategies for reproductive toxicology: the contribution of Italian partners within the EU project ReProTect. <i>Annali Dell'Istituto Superiore Di Sanita</i> , 2011, 47, 429-44.	0.2	22
41	Cellular and Molecular Mechanisms that Mediate Insulin-Dependent Rat Granulosa Cell Mitosis1. <i>Biology of Reproduction</i> , 1995, 52, 124-130.	1.2	21
42	Cumulus-Oocyte Communications in the Horse: Role of the Breeding Season and of the Maturation Medium. <i>Reproduction in Domestic Animals</i> , 2004, 39, 70-75.	0.6	20
43	Oocytes Isolated from Dairy Cows with Reduced Ovarian Reserve Have a High Frequency of Aneuploidy and Alterations in the Localization of Progesterone Receptor Membrane Component 1 and Aurora Kinase B1. <i>Biology of Reproduction</i> , 2013, 88, 58.	1.2	20
44	In vitro production of cattle-water buffalo (<i>Bos taurus</i> - <i>Bubalus bubalis</i>) hybrid embryos. <i>Zygote</i> , 2002, 10, 155-162.	0.5	19
45	PGRMC1 localization and putative function in the nucleolus of bovine granulosa cells and oocytes. <i>Reproduction</i> , 2018, 155, 273-282.	1.1	18
46	In vitro maturation affects chromosome segregation, spindle morphology and acetylation of lysine 16 on histone H4 in horse oocytes. <i>Reproduction, Fertility and Development</i> , 2017, 29, 721.	0.1	17
47	Accumulation of Chromatin Remodelling Enzyme and Histone Transcripts in Bovine Oocytes. Results and Problems in Cell Differentiation, 2017, 63, 223-255.	0.2	15
48	Developmental competence of gametes reconstructed by germinal vesicle transplantation from fresh and cryopreserved bovine oocytes. <i>Fertility and Sterility</i> , 2010, 93, 229-238.	0.5	14
49	Changes of Large-Scale Chromatin Configuration During Mammalian Oocyte Differentiation. , 2013, , 93-108.		14
50	Cryopreservation of Immature Bovine Oocytes to Reconstruct Artificial Gametes by Germinal Vesicle Transplantation. <i>Reproduction in Domestic Animals</i> , 2009, 44, 480-488.	0.6	13
51	Analysis of Chromosome Segregation, Histone Acetylation, and Spindle Morphology in Horse Oocytes. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	13
52	Î2-Catenin localization and timing of early development of bovine embryos obtained from oocytes matured in the presence of follicle stimulating hormone. <i>Animal Reproduction Science</i> , 2007, 100, 264-279.	0.5	11
53	Zinc supports transcription and improves meiotic competence of growing bovine oocytes. <i>Reproduction</i> , 2020, 159, 679-691.	1.1	11
54	Holding equine oocytes at room temperature for 18 hours prior to in vitro maturation maintains their developmental competence. <i>Journal of Equine Veterinary Science</i> , 2014, 34, 174-175.	0.4	10

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55	Transferability and inter-laboratory variability assessment of the in vitro bovine oocyte fertilization test. <i>Reproductive Toxicology</i> , 2015, 51, 106-113.	1.3	10
56	Characterization and control of oocyte large-scale chromatin configuration in different cattle breeds. <i>Theriogenology</i> , 2020, 141, 146-152.	0.9	9
57	PGRMC1 and the faithful progression through mitosis and meiosis. <i>Cell Cycle</i> , 2016, 15, 2239-2240.	1.3	9
58	Involvement of E-cadherin in early in vitro development of adult and juvenile sheep embryos. <i>Reproduction, Fertility and Development</i> , 2010, 22, 468.	0.1	8
59	Synchronization of germinal vesicle maturity improves efficacy of in vitro embryo production in Holstein cows. <i>Theriogenology</i> , 2020, 154, 53-58.	0.9	8
60	The variable success of in vitro maturation: can we do better?. <i>Animal Reproduction</i> , 2018, 15, 727-736.	0.4	8
61	Physiological parameters related to oocyte nuclear differentiation for the improvement of IVM/IVF outcomes in women and cattle. <i>Reproduction, Fertility and Development</i> , 2021, 34, 27-35.	0.1	7
62	A prematuration approach to equine IVM: considering cumulus morphology, seasonality, follicle of origin, gap junction coupling and large-scale chromatin configuration in the germinal vesicle. <i>Reproduction, Fertility and Development</i> , 2019, 31, 1793.	0.1	6
63	Recreating the Follicular Environment: A Customized Approach for In Vitro Culture of Bovine Oocytes Based on the Origin and Differentiation State. <i>Methods in Molecular Biology</i> , 2021, 2273, 1-15.	0.4	6
64	Progesterone receptor membrane component 1 (PGRMC1) expression in canine mammary tumors: A preliminary study. <i>Research in Veterinary Science</i> , 2020, 132, 101-107.	0.9	4
65	In Vitro development of preimplantation embryos from domestic species. <i>Toxicology in Vitro</i> , 1995, 9, 607-613.	1.1	3
66	Microdensitometric assay of enzymatic activities in parthenogenetically activated and in vitro fertilized bovine oocytes. <i>Acta Histochemica</i> , 2002, 104, 193-198.	0.9	3
67	A novel method for the isolation of DNA from intracellular bacteria, suitable for genomic studies. <i>Annals of Microbiology</i> , 2010, 60, 455-460.	1.1	3
68	Immunohistochemical Expression of FXR1 in Canine Normal Tissues and Melanomas. <i>Journal of Histochemistry and Cytochemistry</i> , 2018, 66, 585-593.	1.3	3
69	A Nuclear and Cytoplasmic Characterization of Bovine Oocytes Reveals That Cysteamine Partially Rescues the Embryo Development in a Model of Low Ovarian Reserve. <i>Animals</i> , 2021, 11, 1936.	1.0	3
70	Progesterone Receptor Membrane Component-1 Is Localized with Aurora Kinase B During Oocyte Meiosis. <i>Biology of Reproduction</i> , 2010, 83, 319-319.	1.2	2
71	Ultra-low Doses of Follicle Stimulating Hormone and Progesterone Attenuate the Severity of Polycystic Ovary Syndrome Features in a Hyperandrogenized Mouse Model. <i>Journal of Reproduction and Infertility</i> , 2017, 18, 288-297.	1.0	2
72	A century of programmed cell death in the ovary: a commentary. <i>Journal of Assisted Reproduction and Genetics</i> , 2022, 39, 63-66.	1.2	2

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73	253 OXIDATIVE STRESS MAY IMPAIR OOCYTE QUALITY IN DAIRY COWS OF REPRODUCTIVE AGE WITH A REDUCED ANTRAL FOLLICLE COUNT. <i>Reproduction, Fertility and Development</i> , 2013, 25, 274.	0.1	1
74	In Vitro Culture Strategy for Oocytes from Early Antral Follicle in Cattle. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	1
75	The Effect of Species-Specific FSH Administration During In vitro Maturation of Bovine Oocytes on Embryonic Developmental Capability. <i>Veterinary Research Communications</i> , 2006, 30, 167-169.	0.6	0
76	Localization of DNA methyltransferase-1 during oocyte differentiation, in vitro maturation and early embryonic development in cow. <i>European Journal of Histochemistry</i> , 2009, 53, .	0.6	0
77	On the chromatin of the immature oocyte: from morphology to function and regulatory mechanisms mediated by follicular cells. <i>Istituto Lombardo - Accademia Di Scienze E Lettere - Incontri Di Studio</i> , 0, , .	0.0	0
78	The Adenosine Salvage Pathway as an Alternative to Mitochondrial Production of ATP in Maturing Mammalian Oocytes. <i>Obstetrical and Gynecological Survey</i> , 2015, 70, 30-31.	0.2	0
79	Role of Progesterone Receptor Membrane Component-1 (PGRMC-1) on Bovine Oocyte Maturation.. <i>Biology of Reproduction</i> , 2009, 81, 278-278.	1.2	0
80	Role of Intercellular Coupling on Chromatin Changes Transcriptional Activity and Meiotic Competence Acquisition During Bovine Oocyte Growth In Vitro.. <i>Biology of Reproduction</i> , 2009, 81, 282-282.	1.2	0
81	Role of Gap Junction-Mediated Communications as Regulators of Large-Scale Chromatin Remodeling During Final Differentiation of Bovine Oocyte.. <i>Biology of Reproduction</i> , 2009, 81, 281-281.	1.2	0
82	198 CILOSTAMIDE SUSTAINS GAP JUNCTION-MEDIATED COMMUNICATION AND CHROMATIN REMODELLING IN PIG OOCYTES. <i>Reproduction, Fertility and Development</i> , 2012, 24, 211.	0.1	0
83	Reduced Antral Follicle Count in Dairy Cows of Reproductive Age Is Associated with a High Incidence of Aneuploidy and Alterations in the Localization of PGRMC1 and AURKB.. <i>Biology of Reproduction</i> , 2012, 87, 298-298.	1.2	0
84	184 INTERCELLULAR COUPLING AND CHROMATIN CONFIGURATION STATE IN HORSE OOCYTE - CUMULUS CELL COMPLEXES OF DIFFERENT ORIGINS. <i>Reproduction, Fertility and Development</i> , 2013, 25, 241.	0.1	0
85	Insight into progesterone receptor membrane component 1 action during bovine oocyte meiosis by means of siRNA-mediated gene silencing. <i>Reproduction Abstracts</i> , 0, , .	0.0	0
86	Morphological markers to select populations of oocytes with different cultural needs for dedicated pre-maturation systems. <i>Reproduction Abstracts</i> , 0, , .	0.0	0
87	Chromatin remodelling and histones mRNA accumulation in bovine germinal vesicle oocyte. <i>Reproduction Abstracts</i> , 0, , .	0.0	0
88	Maturation conditions do not affect Myst1, Hat1, and Sirt1 mRNA abundance in horse oocytes. <i>Reproduction Abstracts</i> , 0, , .	0.0	0