

Raymond J Rodgers

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

2,156
citations

279487

23
h-index

233125

45
g-index

64
all docs

64
docs citations

64
times ranked

2529
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of the Ovarian Follicular Antrum and Follicular Fluid. <i>Biology of Reproduction</i> , 2010, 82, 1021-1029.	1.2	319
2	Extracellular matrix of the developing ovarian follicle. <i>Reproduction</i> , 2003, 126, 415-424.	1.1	212
3	Transcriptome profiling of granulosa cells of bovine ovarian follicles during growth from small to large antral sizes. <i>BMC Genomics</i> , 2014, 15, 24.	1.2	124
4	A New Model of Development of the Mammalian Ovary and Follicles. <i>PLoS ONE</i> , 2013, 8, e55578.	1.1	111
5	Transcriptome profiling of granulosa cells from bovine ovarian follicles during atresia. <i>BMC Genomics</i> , 2014, 15, 40.	1.2	101
6	Stem Cells, Progenitor Cells, and Lineage Decisions in the Ovary. <i>Endocrine Reviews</i> , 2015, 36, 65-91.	8.9	97
7	The Role of TGF- β 2 in Polycystic Ovary Syndrome. <i>Reproductive Sciences</i> , 2014, 21, 20-31.	1.1	83
8	Linkage of regulators of TGF- β 2 activity in the fetal ovary to polycystic ovary syndrome. <i>FASEB Journal</i> , 2011, 25, 2256-2265.	0.2	82
9	Development of mammalian ovary. <i>Journal of Endocrinology</i> , 2014, 221, R145-R161.	1.2	79
10	Transcriptome Comparisons Identify New Cell Markers for Theca Interna and Granulosa Cells from Small and Large Antral Ovarian Follicles. <i>PLoS ONE</i> , 2015, 10, e0119800.	1.1	76
11	Functional link between bone morphogenetic proteins and insulin-like peptide 3 signaling in modulating ovarian androgen production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E1426-35.	3.3	63
12	A novel basal lamina matrix of the stratified epithelium of the ovarian follicle. <i>Matrix Biology</i> , 2004, 23, 207-217.	1.5	58
13	Dynamics of extracellular matrix in ovarian follicles and corpora lutea of mice. <i>Cell and Tissue Research</i> , 2010, 339, 613-624.	1.5	56
14	Molecular Mechanisms of Insulin Resistance in Polycystic Ovary Syndrome: Unraveling the Conundrum in Skeletal Muscle?. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 5372-5381.	1.8	54
15	Transcriptome Profiling of the Theca Interna from Bovine Ovarian Follicles during Atresia. <i>PLoS ONE</i> , 2014, 9, e99706.	1.1	39
16	Role of cytochrome b5 in the modulation of the enzymatic activities of cytochrome P450 17 α -hydroxylase/17,20-lyase (P450 17A1). <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017, 170, 2-18.	1.2	38
17	Phenotypes of the ovarian follicular basal lamina predict developmental competence of oocytes. <i>Human Reproduction</i> , 2008, 24, 936-944.	0.4	37
18	Complex diseases and co-morbidities: polycystic ovary syndrome and type 2 diabetes mellitus. <i>Endocrine Connections</i> , 2019, 8, R71-R75.	0.8	37

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19	Transcriptome Profiling of the Theca Interna in Transition from Small to Large Antral Ovarian Follicles. PLoS ONE, 2014, 9, e97489.	1.1	33
20	Trace Elements in Ovaries: Measurement and Physiology. Biology of Reproduction, 2016, 94, 86.	1.2	29
21	Mechanistic Scrutiny Identifies a Kinetic Role for Cytochrome b5 Regulation of Human Cytochrome P450c17 (CYP17A1, P450 17A1). PLoS ONE, 2015, 10, e0141252.	1.1	28
22	The global effect of follicle-stimulating hormone and tumour necrosis factor α on gene expression in cultured bovine ovarian granulosa cells. BMC Genomics, 2014, 15, 72.	1.2	27
23	Transcript abundance of stromal and thecal cell related genes during bovine ovarian development. PLoS ONE, 2019, 14, e0213575.	1.1	25
24	Fibrillins and latent TGF β binding proteins in bovine ovaries of offspring following high or low protein diets during pregnancy of dams. Molecular and Cellular Endocrinology, 2009, 307, 133-141.	1.6	22
25	Transcriptomal profiling of bovine ovarian granulosa and theca interna cells in primary culture in comparison with their in vivo counterparts. PLoS ONE, 2017, 12, e0173391.	1.1	21
26	Is polycystic ovary syndrome a 20th Century phenomenon?. Medical Hypotheses, 2019, 124, 31-34.	0.8	19
27	Morphometric analyses and gene expression related to germ cells, gonadal ridge epithelial-like cells and granulosa cells during development of the bovine fetal ovary. PLoS ONE, 2019, 14, e0214130.	1.1	19
28	Could perturbed fetal development of the ovary contribute to the development of polycystic ovary syndrome in later life?. PLoS ONE, 2020, 15, e0229351.	1.1	19
29	Morphometric and gene expression analyses of stromal expansion during development of the bovine fetal ovary. Reproduction, Fertility and Development, 2019, 31, 482.	0.1	17
30	Gestational Dietary Protein Is Associated with Sex Specific Decrease in Blood Flow, Fetal Heart Growth and Post-Natal Blood Pressure of Progeny. PLoS ONE, 2015, 10, e0125694.	1.1	17
31	Transcriptome analyses of ovarian stroma: tunica albuginea, interstitium and theca interna. Reproduction, 2019, 157, 545-565.	1.1	17
32	Maternal periconceptual and first trimester protein restriction in beef heifers: effects on placental parameters and fetal and neonatal calf development. Reproduction, Fertility and Development, 2020, 32, 495.	0.1	16
33	Glycomic analyses of ovarian follicles during development and atresia. Matrix Biology, 2012, 31, 45-56.	1.5	15
34	Differential expression of focimatrix and steroidogenic enzymes before size deviation during waves of follicular development in bovine ovarian follicles. Molecular and Cellular Endocrinology, 2010, 321, 207-214.	1.6	14
35	The influence of peri-conception and first trimester dietary restriction of protein in cattle on meat quality traits of entire male progeny. Meat Science, 2016, 121, 141-147.	2.7	14
36	Regulation of fibrillins and modulators of TGF β in fetal bovine and human ovaries. Reproduction, 2016, 152, 127-137.	1.1	14

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37	Analysis of expression of candidate genes for polycystic ovary syndrome in adult and fetal human and fetal bovine ovaries. <i>Biology of Reproduction</i> , 2020, 103, 840-853.	1.2	14
38	Localization of the Trace Elements Iron, Zinc and Selenium in Relation to Anatomical Structures in Bovine Ovaries by X-Ray Fluorescence Imaging. <i>Microscopy and Microanalysis</i> , 2015, 21, 695-705.	0.2	12
39	Efficacy of predictive models for polycystic ovary syndrome using serum levels of two anti-Müllerian hormone isoforms (proAMH and AMHN,C). <i>Fertility and Sterility</i> , 2017, 108, 851-857.e2.	0.5	11
40	High-intensity training elicits greater improvements in cardio-metabolic and reproductive outcomes than moderate-intensity training in women with polycystic ovary syndrome: a randomized clinical trial. <i>Human Reproduction</i> , 2022, 37, 1018-1029.	0.4	11
41	Candidate genes for polycystic ovary syndrome are regulated by TGF β ² in the bovine foetal ovary. <i>Human Reproduction</i> , 2022, 37, 1244-1254.	0.4	10
42	Evolutionary comparisons predict that dimerization of human cytochrome P450 aromatase increases its enzymatic activity and efficiency. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015, 154, 294-301.	1.2	9
43	Formation of the Bovine Ovarian Surface Epithelium during Fetal Development. <i>Journal of Histochemistry and Cytochemistry</i> , 2020, 68, 113-126.	1.3	9
44	Transforming Growth Factor Beta 1 Alters Glucose Uptake but Not Insulin Signalling in Human Primary Myotubes From Women With and Without Polycystic Ovary Syndrome. <i>Frontiers in Endocrinology</i> , 2021, 12, 732338.	1.5	8
45	Membrane-Mediated Protein-Protein Interactions of Cholesterol Side-Chain Cleavage Cytochrome P450 with its Associated Electron Transport Proteins. <i>ChemPlusChem</i> , 2016, 81, 995-1002.	1.3	6
46	A Homodimer Model Can Resolve the Conundrum as to How Cytochrome P450 Oxidoreductase and Cytochrome b5 Compete for the Same Binding Site on Cytochrome P450c17. <i>Current Protein and Peptide Science</i> , 2017, 18, 515-521.	0.7	6
47	Analysis of Upstream Regulators, Networks, and Pathways Associated With the Expression Patterns of Polycystic Ovary Syndrome Candidate Genes During Fetal Ovary Development. <i>Frontiers in Genetics</i> , 2021, 12, 762177.	1.1	5
48	Electrochemistry of cytochrome P450 17 α -hydroxylase/17,20-lyase (P450c17). <i>Molecular and Cellular Endocrinology</i> , 2017, 441, 62-67.	1.6	4
49	Isolation, culture, and characterisation of bovine ovarian fetal fibroblasts and gonadal ridge epithelial-like cells and comparison to their adult counterparts. <i>PLoS ONE</i> , 2022, 17, e0268467.	1.1	4
50	Genetic relationships between early menopause and the behaviour of theca interna during follicular atresia. <i>Human Reproduction</i> , 2020, 35, 2185-2187.	0.4	3
51	Transforming growth factor β ² impairs the transcriptomic response to contraction in myotubes from women with polycystic ovary syndrome. <i>Journal of Physiology</i> , 2022, 600, 3313-3330.	1.3	3
52	A new evidence-based guideline for assessment and management of polycystic ovary syndrome. <i>Medical Journal of Australia</i> , 2019, 210, 285.	0.8	2
53	Maternal periconceptual and first trimester protein restriction in beef heifers: effects on maternal performance and early fetal growth. <i>Reproduction, Fertility and Development</i> , 2020, 32, 835.	0.1	2
54	Sequence comparisons of cytochrome P450 aromatases from Australian animals predict differences in enzymatic activity and/or efficiency. <i>Biology of Reproduction</i> , 2020, 102, 1261-1269.	1.2	2

#	ARTICLE	IF	CITATIONS
55	New Advances in Reproductive Biomedicine. BioMed Research International, 2014, 2014, 1-2.	0.9	1
56	Riding the Wave: Determining the Hierarchy of Ovarian Follicle Activation. Biology of Reproduction, 2015, 93, 99.	1.2	1
57	Seventeenth Conference on the Adrenal Cortex (Adrenal 2016) Boston, MA, March 28â€“31, 2016. Molecular and Cellular Endocrinology, 2017, 441, 1.	1.6	1
58	X-ray Microscopy and Spectroscopy Combine to Probe Selenium Biology.. Microscopy and Microanalysis, 2019, 25, 1068-1069.	0.2	0
59	Angiogenesis and Angiolysis in Luteal and Follicular Development and Atresia.. Biology of Reproduction, 2008, 78, 276-276.	1.2	0
60	Effect of Diet in Pregnancy on the Expression of Genes Involved in TGF-Î² Superfamily Bioavailability in the Bovine Ovarian Cortex of Female Offspring.. Biology of Reproduction, 2008, 78, 111-111.	1.2	0
61	Title is missing!. , 2020, 15, e0229351.		0
62	Title is missing!. , 2020, 15, e0229351.		0
63	Title is missing!. , 2020, 15, e0229351.		0
64	Title is missing!. , 2020, 15, e0229351.		0