

Darryl L Russell

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

72
papers

5,488
citations

40
h-index

73
g-index

73
ext. papers

6,203
ext. citations

5.1
avg, IF

5.59
L-index

#	Paper	IF	Citations
72	Ovulation: new dimensions and new regulators of the inflammatory-like response. <i>Annual Review of Physiology</i> , 2002 , 64, 69-92	23.1	347
71	Novel signaling pathways that control ovarian follicular development, ovulation, and luteinization. <i>Endocrine Reviews</i> , 2002 , 57, 195-220		325
70	Molecular mechanisms of ovulation: co-ordination through the cumulus complex. <i>Human Reproduction Update</i> , 2007 , 13, 289-312	15.8	275
69	Obese women exhibit differences in ovarian metabolites, hormones, and gene expression compared with moderate-weight women. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009 , 94, 1533-40	5.6	261
68	Beta-oxidation is essential for mouse oocyte developmental competence and early embryo development. <i>Biology of Reproduction</i> , 2010 , 83, 909-18	3.9	255
67	High-fat diet causes lipotoxicity responses in cumulus-oocyte complexes and decreased fertilization rates. <i>Endocrinology</i> , 2010 , 151, 5438-45	4.8	228
66	Lipids and oocyte developmental competence: the role of fatty acids and β oxidation. <i>Reproduction</i> , 2014 , 148, R15-27	3.8	201
65	Processing and localization of ADAMTS-1 and proteolytic cleavage of versican during cumulus matrix expansion and ovulation. <i>Journal of Biological Chemistry</i> , 2003 , 278, 42330-9	5.4	196
64	Molecular mechanisms of ovulation and luteinization. <i>Molecular and Cellular Endocrinology</i> , 1998 , 145, 47-54	4.4	177
63	The biological role and regulation of versican levels in cancer. <i>Cancer and Metastasis Reviews</i> , 2009 , 28, 233-45	9.6	173
62	Extracellular matrix of the developing ovarian follicle. <i>Reproduction</i> , 2003 , 126, 415-24	3.8	172
61	Mitochondrial dysfunction in oocytes of obese mothers: transmission to offspring and reversal by pharmacological endoplasmic reticulum stress inhibitors. <i>Development (Cambridge)</i> , 2015 , 142, 681-91	6.6	157
60	Ovulation: a multi-gene, multi-step process. <i>Steroids</i> , 2000 , 65, 559-70	2.8	125
59	Extracellular matrix of the cumulus-oocyte complex. <i>Seminars in Reproductive Medicine</i> , 2006 , 24, 217-27	1.4	124
58	Ovarian expression of a disintegrin and metalloproteinase with thrombospondin motifs during ovulation in the gonadotropin-primed immature rat. <i>Biology of Reproduction</i> , 2000 , 62, 1090-5	3.9	123
57	Decreased expression of tumor necrosis factor-alpha-stimulated gene 6 in cumulus cells of the cyclooxygenase-2 and EP2 null mice. <i>Endocrinology</i> , 2003 , 144, 1008-19	4.8	118
56	Formation of hyaluronan- and versican-rich pericellular matrix by prostate cancer cells promotes cell motility. <i>Journal of Biological Chemistry</i> , 2007 , 282, 10814-25	5.4	116

55	Hormone-regulated expression and localization of versican in the rodent ovary. <i>Endocrinology</i> , 2003 , 144, 1020-31	4.8	115
54	Bidirectional communication between cumulus cells and the oocyte: Old hands and new players?. <i>Theriogenology</i> , 2016 , 86, 62-8	2.8	110
53	ADAMTS1 cleavage of versican mediates essential structural remodeling of the ovarian follicle and cumulus-oocyte matrix during ovulation in mice. <i>Biology of Reproduction</i> , 2010 , 83, 549-57	3.9	106
52	Coordinate transcription of the ADAMTS-1 gene by luteinizing hormone and progesterone receptor. <i>Molecular Endocrinology</i> , 2004 , 18, 2463-78		103
51	Endoplasmic reticulum (ER) stress in cumulus-oocyte complexes impairs pentraxin-3 secretion, mitochondrial membrane potential ($\Delta\Psi_m$), and embryo development. <i>Molecular Endocrinology</i> , 2012 , 26, 562-73		93
50	Regulation of fatty acid oxidation in mouse cumulus-oocyte complexes during maturation and modulation by PPAR agonists. <i>PLoS ONE</i> , 2014 , 9, e87327	3.7	91
49	Requirement for ADAMTS-1 in extracellular matrix remodeling during ovarian folliculogenesis and lymphangiogenesis. <i>Developmental Biology</i> , 2006 , 300, 699-709	3.1	91
48	Egr-1 induction in rat granulosa cells by follicle-stimulating hormone and luteinizing hormone: combinatorial regulation by transcription factors cyclic adenosine 3',5'-monophosphate regulatory element binding protein, serum response factor, sp1, and early growth response factor-1. <i>Molecular Endocrinology</i> , 2003 , 17, 522-33		81
47	OR08-1 Context-Specific Chromatin Binding Properties of Progesterone Receptor and Consequential Effects on Gene Expression in Mouse Reproductive Tissues. <i>Journal of the Endocrine Society</i> , 2019 , 3,	0.4	78
46	Increased beta-oxidation and improved oocyte developmental competence in response to l-carnitine during ovarian in vitro follicle development in mice. <i>Biology of Reproduction</i> , 2011 , 85, 548-55	3.9	75
45	Expression of tumor necrosis factor-stimulated gene-6 in the rat ovary in response to an ovulatory dose of gonadotropin. <i>Endocrinology</i> , 2000 , 141, 4114-9	4.8	73
44	Control of oocyte release by progesterone receptor-regulated gene expression. <i>Nuclear Receptor Signaling</i> , 2009 , 7, e012	1	66
43	Differentiation-dependent prolactin responsiveness and stat (signal transducers and activators of transcription) signaling in rat ovarian cells. <i>Molecular Endocrinology</i> , 1999 , 13, 2049-64		64
42	Stem cells, progenitor cells, and lineage decisions in the ovary. <i>Endocrine Reviews</i> , 2015 , 36, 65-91	27.2	63
41	Growth differentiation factor 9 signaling requires ERK1/2 activity in mouse granulosa and cumulus cells. <i>Journal of Cell Science</i> , 2010 , 123, 3166-76	5.3	55
40	The ADAMTS1 protease gene is required for mammary tumor growth and metastasis. <i>American Journal of Pathology</i> , 2011 , 179, 3075-85	5.8	54
39	Altered composition of the cumulus-oocyte complex matrix during in vitro maturation of oocytes. <i>Human Reproduction</i> , 2007 , 22, 2842-50	5.7	54
38	Coordination of Ovulation and Oocyte Maturation: A Good Egg at the Right Time. <i>Endocrinology</i> , 2018 , 159, 3209-3218	4.8	49

37	The metalloproteinase ADAMTS1: a comprehensive review of its role in tumorigenic and metastatic pathways. <i>International Journal of Cancer</i> , 2013 , 133, 2263-76	7.5	46
36	Heparan sulfate proteoglycans regulate responses to oocyte paracrine signals in ovarian follicle morphogenesis. <i>Endocrinology</i> , 2012 , 153, 4544-55	4.8	44
35	Identification of perilipin-2 as a lipid droplet protein regulated in oocytes during maturation. <i>Reproduction, Fertility and Development</i> , 2010 , 22, 1262-71	1.8	42
34	Overexpression of piRNA pathway genes in epithelial ovarian cancer. <i>PLoS ONE</i> , 2014 , 9, e99687	3.7	41
33	Prolactin-induced activation and binding of stat proteins to the IL-6RE of the alpha 2-macroglobulin (alpha 2M) promoter: relation to the expression of alpha 2M in the rat ovary. <i>Biology of Reproduction</i> , 1996 , 55, 1029-38	3.9	40
32	Expression of regulator of G-protein signaling protein-2 gene in the rat ovary at the time of ovulation. <i>Biology of Reproduction</i> , 2000 , 63, 1513-7	3.9	37
31	ADAMTS proteases in fertility. <i>Matrix Biology</i> , 2015 , 44-46, 54-63	11.4	36
30	Development and hormonal regulation of the ovarian lymphatic vasculature. <i>Endocrinology</i> , 2010 , 151, 5446-55	4.8	35
29	Hormonally regulated follicle differentiation and luteinization in the mouse is associated with hypoxia inducible factor activity. <i>Molecular and Cellular Endocrinology</i> , 2010 , 327, 47-55	4.4	34
28	The Ovarian Antral Follicle: Living on the Edge of Hypoxia or Not?. <i>Biology of Reproduction</i> , 2015 , 92, 153	3.9	33
27	Characterization of ovarian carbonyl reductase gene expression during ovulation in the gonadotropin-primed immature Rat. <i>Biology of Reproduction</i> , 2000 , 62, 390-7	3.9	33
26	Failure to launch: aberrant cumulus gene expression during oocyte in vitro maturation. <i>Reproduction</i> , 2017 , 153, R109-R120	3.8	29
25	Microarray analysis of mRNA from cumulus cells following in vivo or in vitro maturation of mouse cumulus-oocyte complexes. <i>Reproduction, Fertility and Development</i> , 2013 , 25, 426-38	1.8	27
24	Transient invasive migration in mouse cumulus oocyte complexes induced at ovulation by luteinizing hormone. <i>Biology of Reproduction</i> , 2012 , 86, 125	3.9	25
23	Activation of Mouse Cumulus-Oocyte Complex Maturation In Vitro Through EGF-Like Activity of Versican. <i>Biology of Reproduction</i> , 2015 , 92, 116	3.9	22
22	Hemoglobin: a gas transport molecule that is hormonally regulated in the ovarian follicle in mice and humans. <i>Biology of Reproduction</i> , 2015 , 92, 26	3.9	20
21	Identification of sites of STAT3 action in the female reproductive tract through conditional gene deletion. <i>PLoS ONE</i> , 2014 , 9, e101182	3.7	19
20	Progesterone receptor-dependent regulation of genes in the oviducts of female mice. <i>Physiological Genomics</i> , 2014 , 46, 583-92	3.6	19

19	Molecular filtration properties of the mouse expanded cumulus matrix: controlled supply of metabolites and extracellular signals to cumulus cells and the oocyte. <i>Biology of Reproduction</i> , 2012 , 87, 89	3.9	17
18	Regulation of the ovarian inflammatory response at ovulation by nuclear progesterone receptor. <i>American Journal of Reproductive Immunology</i> , 2018 , 79, e12835	3.8	14
17	FOXP3 and miR-155 cooperate to control the invasive potential of human breast cancer cells by down regulating ZEB2 independently of ZEB1. <i>Oncotarget</i> , 2018 , 9, 27708-27727	3.3	14
16	Tissue-specific progesterone receptor-chromatin binding and the regulation of progesterone-dependent gene expression. <i>Scientific Reports</i> , 2019 , 9, 11966	4.9	12
15	Oxygen-regulated gene expression in murine cumulus cells. <i>Reproduction, Fertility and Development</i> , 2015 , 27, 407-18	1.8	11
14	Endocrine Disruptor Compounds-A Cause of Impaired Immune Tolerance Driving Inflammatory Disorders of Pregnancy?. <i>Frontiers in Endocrinology</i> , 2021 , 12, 607539	5.7	9
13	Male Seminal Relaxin Contributes to Induction of the Post-mating Cytokine Response in the Female Mouse Uterus. <i>Frontiers in Physiology</i> , 2017 , 8, 422	4.6	7
12	Insulin family polymorphisms in pregnancies complicated by small for gestational age infants. <i>Molecular Human Reproduction</i> , 2015 , 21, 745-52	4.4	5
11	The N-terminal peptide of the inhibin alpha subunit What are its endocrine and paracrine roles?. <i>Trends in Endocrinology and Metabolism</i> , 1995 , 6, 305-11	8.8	5
10	ADAMTS1 Promotes Adhesion to Extracellular Matrix Proteins and Predicts Prognosis in Early Stage Breast Cancer Patients. <i>Cellular Physiology and Biochemistry</i> , 2019 , 52, 1553-1568	3.9	4
9	Research Priorities for Fertility and Conception Research as Identified by Multidisciplinary Health Care Practitioners and Researchers. <i>Nutrients</i> , 2016 , 8,	6.7	4
8	A Primate-Specific Mediator of Ovulation?. <i>Endocrinology</i> , 2016 , 157, 4209-4211	4.8	2
7	Ovulation: The Coordination of Intrafollicular Networks to Ensure Oocyte Release 2019 , 217-234		2
6	Riding the wave: determining the hierarchy of ovarian follicle activation. <i>Biology of Reproduction</i> , 2015 , 93, 99	3.9	1
5	Development of Automated Microscopy-Assisted High-Content Multiparametric Assays for Cell Cycle Staging and Foci Quantitation. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020 , 97, 378-393	4.6	1
4	Cumulus Cells 2018 , 43-46		1
3	Involvement of Blood and Lymphatic Angiogenesis in Folliculogenesis and Ovulation.. <i>Biology of Reproduction</i> , 2008 , 78, 79-79	3.9	1
2	The Inflammatory Response at Ovulation Is Altered in Ovaries of Progesterone Receptor Null (PRKO) Mice.. <i>Biology of Reproduction</i> , 2010 , 83, 95-95	3.9	1

- 1 Migratory, Invasive and Adhesive Phenotypes Are Transiently Induced in the Cumulus Oocyte Complex at Ovulation.. *Biology of Reproduction*, **2011**, 85, 7-7 3.9