

Nava Dekel

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89
papers

4,778
citations

38
h-index

68
g-index

90
ext. papers

5,144
ext. citations

4.8
avg, IF

5.32
L-index

#	Paper	IF	Citations
89	Local injury to the endometrium doubles the incidence of successful pregnancies in patients undergoing in vitro fertilization. <i>Fertility and Sterility</i> , 2003 , 79, 1317-22	4.8	347
88	Local injury of the endometrium induces an inflammatory response that promotes successful implantation. <i>Fertility and Sterility</i> , 2010 , 94, 2030-6	4.8	256
87	Uterine DCs are crucial for decidua formation during embryo implantation in mice. <i>Journal of Clinical Investigation</i> , 2008 , 118, 3954-65	15.9	253
86	Reactive oxygen species are indispensable in ovulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 1462-7	11.5	209
85	Modulation of cell-to-cell communication in the cumulus-oocyte complex and the regulation of oocyte maturation by LH. <i>Developmental Biology</i> , 1981 , 86, 356-62	3.1	195
84	Development of the rat oocyte in vitro: inhibition and induction of maturation in the presence or absence of the cumulus oophorus. <i>Developmental Biology</i> , 1980 , 75, 247-54	3.1	178
83	Inflammation and implantation. <i>American Journal of Reproductive Immunology</i> , 2010 , 63, 17-21	3.8	173
82	Epidermal growth factor induces maturation of rat follicle-enclosed oocytes. <i>Endocrinology</i> , 1985 , 116, 406-9	4.8	164
81	Disruption of gap junctional communication within the ovarian follicle induces oocyte maturation. <i>Endocrinology</i> , 2006 , 147, 2280-6	4.8	151
80	The role of inflammation for a successful implantation. <i>American Journal of Reproductive Immunology</i> , 2014 , 72, 141-7	3.8	141
79	Mitogen-activated protein kinase mediates luteinizing hormone-induced breakdown of communication and oocyte maturation in rat ovarian follicles. <i>Endocrinology</i> , 2005 , 146, 1236-44	4.8	126
78	The proteasome is involved in the first metaphase-to-anaphase transition of meiosis in rat oocytes. <i>Biology of Reproduction</i> , 2000 , 62, 1270-7	3.9	106
77	Binding of human chorionic gonadotropin by rat cumuli oophori and granulosa cells: a comparative study. <i>Endocrinology</i> , 1980 , 106, 1114-8	4.8	103
76	Induction in vitro of mucification of rat cumulus oophorus by gonadotrophins and adenosine 3'5' monophosphate. <i>Endocrinology</i> , 1978 , 102, 1797-802	4.8	103
75	Gap junctions in the ovary: expression, localization and function. <i>Molecular and Cellular Endocrinology</i> , 2008 , 282, 18-25	4.4	99
74	Cellular, biochemical and molecular mechanisms regulating oocyte maturation. <i>Molecular and Cellular Endocrinology</i> , 2005 , 234, 19-25	4.4	92
73	Maturation effects of gonadotropins on the cumulus-oocyte complex of the rat. <i>Biology of Reproduction</i> , 1979 , 20, 191-7	3.9	92

72	Endometrial biopsy-induced gene modulation: first evidence for the expression of bladder-transmembranal uroplakin Ib in human endometrium. <i>Fertility and Sterility</i> , 2009 , 91, 1042-9, 1049.e1-9	4.8	88
71	Ovarian Folliculogenesis. <i>Results and Problems in Cell Differentiation</i> , 2016 , 58, 167-90	1.4	81
70	Regulation of oocyte maturation. The role of cAMP. <i>Annals of the New York Academy of Sciences</i> , 1988 , 541, 211-6	6.5	79
69	Sustained activity of the EGF receptor is an absolute requisite for LH-induced oocyte maturation and cumulus expansion. <i>Molecular Endocrinology</i> , 2010 , 24, 402-11		75
68	Inhibition of rat oocyte maturation and ovulation by nitric oxide: mechanism of action. <i>Biology of Reproduction</i> , 2008 , 78, 1111-8	3.9	65
67	Dissociation between the inhibitory and the stimulatory action of cAMP on maturation of rat oocytes. <i>Molecular and Cellular Endocrinology</i> , 1988 , 56, 115-21	4.4	63
66	Developmental expression and regulation of the gap junction protein and transcript in rat ovaries. <i>Molecular Reproduction and Development</i> , 1997 , 47, 231-9	2.6	61
65	Maturation of the rat cumulus oophorus. A scanning electron microscopic study. <i>Biology of Reproduction</i> , 1979 , 21, 9-18	3.9	61
64	Luteinizing hormone-induced connexin 43 down-regulation: inhibition of translation. <i>Endocrinology</i> , 2004 , 145, 1617-24	4.8	59
63	The ovarian gap junction protein connexin43: regulation by gonadotropins. <i>Trends in Endocrinology and Metabolism</i> , 2002 , 13, 310-3	8.8	57
62	Activators of protein kinase C stimulate meiotic maturation of rat oocytes. <i>Biochemical and Biophysical Research Communications</i> , 1985 , 132, 570-4	3.4	57
61	Meiotic arrest of oocytes depends on cell-to-cell communication in the ovarian follicle. <i>Molecular and Cellular Endocrinology</i> , 2006 , 252, 102-6	4.4	56
60	Cell lineage analysis of the mammalian female germline. <i>PLoS Genetics</i> , 2012 , 8, e1002477	6	49
59	Colon stem cell and crypt dynamics exposed by cell lineage reconstruction. <i>PLoS Genetics</i> , 2011 , 7, e1002192	6	47
58	An active protein kinase A (PKA) is involved in meiotic arrest of rat growing oocytes. <i>Reproduction</i> , 2006 , 132, 33-43	3.8	46
57	Inactivation of M-phase promoting factor at exit from first embryonic mitosis in the rat is independent of cyclin B1 degradation. <i>Biology of Reproduction</i> , 2001 , 64, 871-8	3.9	42
56	Receptors for gonadotropin releasing hormone are present in rat oocytes. <i>Endocrinology</i> , 1988 , 123, 1205-7	4.8	42
55	MRI analysis of angiogenesis during mouse embryo implantation. <i>Magnetic Resonance in Medicine</i> , 2006 , 55, 1013-22	4.4	40

54	Cellular associations in the rat oocyte-cumulus cell complex: Morphology and ovulatory changes. <i>Gamete Research</i> , 1978 , 1, 47-57		39
53	Low expression of COX-2, reduced cumulus expansion, and impaired ovulation in SULT1E1-deficient mice. <i>FASEB Journal</i> , 2007 , 21, 1893-901	0.9	38
52	Connexin43 in rat oocytes: developmental modulation of its phosphorylation. <i>Biology of Reproduction</i> , 2002 , 66, 568-73	3.9	38
51	Maturation-promoting factor governs mitogen-activated protein kinase activation and interphase suppression during meiosis of rat oocytes. <i>Biology of Reproduction</i> , 2003 , 68, 1282-90	3.9	37
50	cAMP-Dependent PKA negatively regulates polyadenylation of c-mos mRNA in rat oocytes. <i>Molecular Endocrinology</i> , 2002 , 16, 331-41		34
49	Temporal analysis of connexin43 protein and gene expression throughout the menstrual cycle in human endometrium. <i>Fertility and Sterility</i> , 2000 , 73, 381-6	4.8	33
48	Maturation of the rat cumulus-oocyte complex: structure and function. <i>Molecular Reproduction and Development</i> , 1991 , 28, 297-306	2.6	33
47	Maintenance of meiotic arrest by a phosphorylated p34cdc2 is independent of cyclic adenosine 3',5'-monophosphate. <i>Biology of Reproduction</i> , 1994 , 51, 956-62	3.9	31
46	Newly Identified Regulators of Ovarian Folliculogenesis and Ovulation. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	29
45	Estimating cell depth from somatic mutations. <i>PLoS Computational Biology</i> , 2008 , 4, e1000058	5	29
44	Oocyte-directed depletion of connexin43 using the Cre-LoxP system leads to subfertility in female mice. <i>Developmental Biology</i> , 2008 , 313, 1-12	3.1	28
43	Effects of gonadotrophins on the cumulus oophorus of isolated rat Graafian follicles. <i>Acta Physiologica Scandinavica</i> , 1976 , 96, 558-68		26
42	Ovarian dendritic cells act as a double-edged pro-ovulatory and anti-inflammatory sword. <i>Molecular Endocrinology</i> , 2014 , 28, 1039-54		25
41	An in vitro model for the study of human implantation. <i>American Journal of Reproductive Immunology</i> , 2012 , 67, 169-78	3.8	25
40	Mammalian fertilization as seen with the scanning electron microscope. <i>American Journal of Anatomy</i> , 1985 , 174, 357-72		25
39	Effect of gonadotropins and prostaglandin on cumulus mucification in cultures of intact follicles. <i>The Journal of Experimental Zoology</i> , 1982 , 221, 275-82		24
38	Molecular Mechanisms in Ovulation 1994 , 207-258		23
37	Meiotic arrest in incompetent rat oocytes is not regulated by cAMP. <i>Developmental Biology</i> , 1994 , 166, 11-7	3.1	23

36	Induction of maturation in follicle-enclosed oocytes: the response to gonadotropins at different stages of follicular development. <i>Biology of Reproduction</i> , 1988 , 38, 517-21	3.9	23
35	Functional phenotyping of the maternal albumin turnover in the mouse placenta by dynamic contrast-enhanced MRI. <i>Molecular Imaging and Biology</i> , 2011 , 13, 481-492	3.8	22
34	Selective degradation of cyclin B1 mRNA in rat oocytes by RNA interference (RNAi). <i>Journal of Molecular Endocrinology</i> , 2004 , 33, 73-85	4.5	22
33	Involvement of endothelin-1 and its receptors in PGF2alpha-induced luteolysis in the rat. <i>Molecular Reproduction and Development</i> , 2002 , 63, 71-8	2.6	21
32	Molecular control of meiosis. <i>Trends in Endocrinology and Metabolism</i> , 1995 , 6, 165-9	8.8	21
31	Appropriate expression of Ube2C and Ube2S controls the progression of the first meiotic division. <i>FASEB Journal</i> , 2015 , 29, 4670-81	0.9	20
30	Dissociation between the direct stimulatory and inhibitory effects of a gonadotropin-releasing hormone analog on ovarian functions. <i>Molecular and Cellular Endocrinology</i> , 1983 , 31, 261-70	4.4	20
29	Survival and size are differentially regulated by placental and fetal PKBalpha/AKT1 in mice. <i>Biology of Reproduction</i> , 2011 , 84, 537-45	3.9	19
28	Local production of the gonadotropic hormones in the rat ovary. <i>Molecular and Cellular Endocrinology</i> , 2008 , 282, 32-8	4.4	19
27	Epithelial cell transforming protein 2 (ECT2) depletion blocks polar body extrusion and generates mouse oocytes containing two metaphase II spindles. <i>Endocrinology</i> , 2010 , 151, 755-65	4.8	18
26	Cyclic AMP, prostaglandin E2 and steroids: possible mediators in the rat cumulus oophorus mucification. <i>Biology of Reproduction</i> , 1980 , 22, 289-96	3.9	18
25	Molecular characterization and bioinformatics analysis of Ncoa7B, a novel ovulation-associated and reproduction system-specific Ncoa7 isoform. <i>Reproduction</i> , 2008 , 135, 321-33	3.8	16
24	Translational and post-translational modifications in meiosis of the mammalian oocyte. <i>Molecular and Cellular Endocrinology</i> , 2002 , 187, 161-71	4.4	16
23	Implantation: mutual activity of sex steroid hormones and the immune system guarantee the maternal-embryo interaction. <i>Seminars in Reproductive Medicine</i> , 2014 , 32, 337-45	1.4	14
22	From ubiquitin-proteasomal degradation to CDK1 inactivation: requirements for the first polar body extrusion in mouse oocytes. <i>FASEB Journal</i> , 2012 , 26, 4495-505	0.9	13
21	Cytoplasmic polyadenylation controls cdc25B mRNA translation in rat oocytes resuming meiosis. <i>Reproduction</i> , 2006 , 132, 21-31	3.8	11
20	Master regulators of female fertility. <i>New England Journal of Medicine</i> , 2009 , 361, 718-9	59.2	10
19	Vasorin: a newly identified regulator of ovarian folliculogenesis. <i>FASEB Journal</i> , 2018 , 32, 2124-2136	0.9	9

18	Hormonal Control of Ovulation 1986 , 57-90		9
17	Hormonal regulation of GnRH and LHbeta mRNA expression in cultured rat granulosa cells. <i>Journal of Molecular Neuroscience</i> , 2009 , 39, 78-85	3.3	8
16	Interaction Between the Oocyte and the Granulosa Cells in the Preovulatory Follicle 1987 , 197-209		8
15	Experimental extension of the time interval between oocyte maturation and ovulation: effect on fertilization and first cleavage. <i>Fertility and Sterility</i> , 1995 , 64, 1023-8	4.8	7
14	Gonadotropin releasing hormone: regulation of phospholipid turnover and prostaglandin production in ovarian granulosa cells. <i>Life Sciences</i> , 1984 , 35, 389-98	6.8	7
13	Blastocyst implantation failure relates to impaired translational machinery gene expression. <i>Reproduction</i> , 2014 , 148, 87-98	3.8	6
12	Molecular participants in regulation of the meiotic cell cycle in mammalian oocytes. <i>Reproduction, Fertility and Development</i> , 2013 , 25, 484-94	1.8	6
11	The effect of repeated biopsy on pre-implantation genetic testing for monogenic diseases (PGT-M) treatment outcome. <i>Journal of Assisted Reproduction and Genetics</i> , 2019 , 36, 159-164	3.4	6
10	Expression and regulation of the tumor suppressor, SEF, during folliculogenesis in humans and mice. <i>Reproduction</i> , 2014 , 148, 507-17	3.8	4
9	Fertilization and early development of rat oocytes induced to mature by forskolin. <i>Molecular and Cellular Endocrinology</i> , 1993 , 96, 61-8	4.4	4
8	High cGMP and low PDE3A activity are associated with oocyte meiotic incompetence. <i>Cell Cycle</i> , 2019 , 18, 2629-2640	4.7	2
7	Hyaluronan control of the primary vascular barrier during early mouse pregnancy is mediated by uterine NK cells. <i>JCI Insight</i> , 2020 , 5,	9.9	2
6	Polar Body Extrusion and Ovulation 2018 , 197-203		1
5	TNF- α Regulated Endometrial Stroma Secretome Promotes Trophoblast Invasion. <i>Frontiers in Immunology</i> , 2021 , 12, 737401	8.4	0
4	Involvement of Calcium in the Transduction of the Hormonal Signal for Induction of Oocyte Maturation 1990 , 113-118		
3	Preparation and evaluation of oocytes for ICSI 2012 , 114-121		
2	Regulation of Oocyte Maturation 1984 , 325-336		
1	Prediction of Ovarian Follicular Dominance by MRI Phenotyping of Hormonally Induced Vascular Remodeling. <i>Frontiers in Medicine</i> , 2021 , 8, 711810	4.9	

