Nava Dekel

List of Publications by Year
in descending order

89 papers	5,705 citations	81839 39 h-index	76872 74 g-index
90 all docs	90 docs citations	90 times ranked	4430 citing authors

#	Article	IF	Citations
1	Local injury to the endometrium doubles the incidence of successful pregnancies in patients undergoing in vitro fertilization. Fertility and Sterility, 2003, 79, 1317-1322.	0.5	413
2	Local injury of the endometrium induces an inflammatory response that promotes successful implantation. Fertility and Sterility, 2010, 94, 2030-2036.	0.5	309
3	Uterine DCs are crucial for decidua formation during embryo implantation in mice. Journal of Clinical Investigation, 2008, 118, 3954-65.	3.9	292
4	Reactive oxygen species are indispensable in ovulation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1462-1467.	3.3	277
5	REVIEW ARTICLE: Inflammation and Implantation. American Journal of Reproductive Immunology, 2010, 63, 17-21.	1.2	226
6	Modulation of cell-to-cell communication in the cumulus-oocyte complex and the regulation of oocyte maturation by LH. Developmental Biology, 1981, 86, 356-362.	0.9	219
7	Development of the rat oocyte in vitro: Inhibition and induction of maturation in the presence or absence of the cumulus oophorus. Developmental Biology, 1980, 75, 247-254.	0.9	214
8	Epidermal Growth Factor Induces Maturation of Rat Follicle-Enclosed Oocytes*. Endocrinology, 1985, 116, 406-409.	1.4	183
9	The Role of Inflammation for a Successful Implantation. American Journal of Reproductive Immunology, 2014, 72, 141-147.	1.2	179
10	Disruption of Gap Junctional Communication within the Ovarian Follicle Induces Oocyte Maturation. Endocrinology, 2006, 147, 2280-2286.	1.4	167
11	Ovarian Folliculogenesis. Results and Problems in Cell Differentiation, 2016, 58, 167-190.	0.2	148
12	Mitogen-Activated Protein Kinase Mediates Luteinizing Hormone-Induced Breakdown of Communication and Oocyte Maturation in Rat Ovarian Follicles. Endocrinology, 2005, 146, 1236-1244.	1.4	134
13	Inductionin Vitroof Mucification of Rat Cumulus Oophorus by Gonadotrophins and Adenosine 3â€²,5â€²-Monophosphate*. Endocrinology, 1978, 102, 1797-1802.	1.4	118
14	Gap junctions in the ovary: Expression, localization and function. Molecular and Cellular Endocrinology, 2008, 282, 18-25.	1.6	117
15	The Proteasome Is Involved in the First Metaphase-to-Anaphase Transition of Meiosis in Rat Oocytes1. Biology of Reproduction, 2000, 62, 1270-1277.	1.2	113
16	Maturational Effects of Gonadotropins on the Cumulus-Oocyte Complex of the Rat. Biology of Reproduction, 1979, 20, 191-197.	1.2	108
17	Binding of Human Chorionic Gonadotropin by Rat Cumuli Oophori and Granulosa Cells: A Comparative Study*. Endocrinology, 1980, 106, 1114-1118.	1.4	108
18	Endometrial biopsy-induced gene modulation: first evidence for the expression of bladder-transmembranal uroplakin Ib in human endometrium. Fertility and Sterility, 2009, 91, 1042-1049.e9.	0.5	104

#	Article	IF	Citations
19	Cellular, biochemical and molecular mechanisms regulating oocyte maturation. Molecular and Cellular Endocrinology, 2005, 234, 19-25.	1.6	100
20	Regulation of Oocyte Maturation.. Annals of the New York Academy of Sciences, 1988, 541, 211-216.	1.8	86
21	Sustained Activity of the EGF Receptor Is an Absolute Requisite for LH-Induced Oocyte Maturation and Cumulus Expansion. Molecular Endocrinology, 2010, 24, 402-411.	3.7	86
22	Newly Identified Regulators of Ovarian Folliculogenesis and Ovulation. International Journal of Molecular Sciences, 2020, 21, 4565.	1.8	83
23	Dissociation between the inhibitory and the stimulatory action of cAMP on maturation of rat oocytes. Molecular and Cellular Endocrinology, 1988, 56, 115-121.	1.6	73
24	Inhibition of Rat Oocyte Maturation and Ovulation by Nitric Oxide: Mechanism of Action1. Biology of Reproduction, 2008, 78, 1111-1118.	1.2	73
25	Maturation of the Rat Cumulus Oophorus: A Scanning Electron Microscopic Study. Biology of Reproduction, 1979, 21, 9-18.	1.2	67
26	Activators of protein kinase C stimulate meiotic maturation of rat oocytes. Biochemical and Biophysical Research Communications, 1985, 132, 570-574.	1.0	67
27	The ovarian gap junction protein connexin43: regulation by gonadotropins. Trends in Endocrinology and Metabolism, 2002, 13, 310-313.	3.1	65
28	Luteinizing Hormone-Induced Connexin 43 Down-Regulation: Inhibition of Translation. Endocrinology, 2004, 145, 1617-1624.	1.4	65
29	Developmental expression and regulation of the gap junction protein and transcript in rat ovaries. Molecular Reproduction and Development, 1997, 47, 231-239.	1.0	63
30	Meiotic arrest of oocytes depends on cell-to-cell communication in the ovarian follicle. Molecular and Cellular Endocrinology, 2006, 252, 102-106.	1.6	60
31	Cell Lineage Analysis of the Mammalian Female Germline. PLoS Genetics, 2012, 8, e1002477.	1.5	60
32	Colon Stem Cell and Crypt Dynamics Exposed by Cell Lineage Reconstruction. PLoS Genetics, 2011, 7, e1002192.	1.5	52
33	Inactivation of M-Phase Promoting Factor at Exit from First Embryonic Mitosis in the Rat Is Independent of Cyclin B1 Degradation1. Biology of Reproduction, 2001, 64, 871-878.	1.2	51
34	RECEPTORS FOR GONADOTROPIN RELEASING HORMONE ARE PRESENT IN RAT OOCYTES. Endocrinology, 1988, 123, 1205-1207.	1.4	49
35	An active protein kinase A (PKA) is involved in meiotic arrest of rat growing oocytes. Reproduction, 2006, 132, 33-43.	1.1	49
36	MRI analysis of angiogenesis during mouse embryo implantation. Magnetic Resonance in Medicine, 2006, 55, 1013-1022.	1.9	48

#	Article	IF	Citations
37	Cellular associations in the rat oocyte-cumulus cell complex: Morphology and ovulatory changes. Gamete Research, 1978, 1, 47-57.	1.7	42
38	Maturation-Promoting Factor Governs Mitogen-Activated Protein Kinase Activation and Interphase Suppression During Meiosis of Rat Oocytes1. Biology of Reproduction, 2003, 68, 1282-1290.	1.2	42
39	Low expression of COXâ€2, reduced cumulus expansion, and impaired ovulation in SULT1E1â€deficient mice. FASEB Journal, 2007, 21, 1893-1901.	0.2	41
40	Connexin43 in Rat Oocytes: Developmental Modulation of Its Phosphorylation1. Biology of Reproduction, 2002, 66, 568-573.	1.2	39
41	Maintenance of Meiotic Arrest by a Phosphorylated p34cdc2 is Independent of Cyclic Adenosine 3â€²,5â€²-Monophosphate. Biology of Reproduction, 1994, 51, 956-962.	1.2	38
42	Temporal analysis of connexin43 protein and gene expression throughout the menstrual cycle in human endometrium. Fertility and Sterility, 2000, 73, 381-386.	0.5	38
43	cAMP-Dependent PKA Negatively Regulates Polyadenylation of c-mosmRNA in Rat Oocytes. Molecular Endocrinology, 2002, 16, 331-341.	3.7	38
44	Maturation of the rat cumulus-oocyte complex: Structure and function. Molecular Reproduction and Development, 1991, 28, 297-306.	1.0	36
45	Estimating Cell Depth from Somatic Mutations. PLoS Computational Biology, 2008, 4, e1000058.	1.5	35
46	Molecular Mechanisms in Ovulation. , 1994, , 207-258.		34
47	Ovarian Dendritic Cells Act as a Double-Edged Pro-Ovulatory and Anti-Inflammatory Sword. Molecular Endocrinology, 2014, 28, 1039-1054.	3.7	32
48	Effects of Gonadotrophins on the Cumulus Oophorus of Isolated Rat Graafian Follicles. Acta Physiologica Scandinavica, 1976, 96, 558-568.	2.3	31
49	Oocyte-directed depletion of connexin43 using the Cre-LoxP system leads to subfertility in female mice. Developmental Biology, 2008, 313, 1-12.	0.9	31
50	An In Vitro Model for the Study of Human Implantation. American Journal of Reproductive Immunology, 2012, 67, 169-178.	1.2	30
51	Appropriate expression of Ube2C and Ube2S controls the progression of the first meiotic division. FASEB Journal, 2015, 29, 4670-4681.	0.2	29
52	Effect of gonadotropins and prostaglandin on cumulus mucification in cultures of intact follicles. The Journal of Experimental Zoology, 1982, 221, 275-282.	1.4	28
53	Meiotic Arrest in Incompetent Rat Oocytes Is Not Regulated by cAMP. Developmental Biology, 1994, 166, 11-17.	0.9	27
54	Dissociation between the direct stimulatory and inhibitory effects of a gonadotropin-releasing hormone analog on ovarian functions. Molecular and Cellular Endocrinology, 1983, 31, 261-270.	1.6	26

#	Article	IF	Citations
55	Mammalian fertilization as seen with the scanning electron microscope. American Journal of Anatomy, 1985, 174, 357-372.	0.9	26
56	Induction of Maturation in Follicle-Enclosed Oocytes: The Response to Gonadotropins at Different Stages of Follicular Development1. Biology of Reproduction, 1988, 38, 517-521.	1.2	26
57	Molecular control of meiosis. Trends in Endocrinology and Metabolism, 1995, 6, 165-169.	3.1	25
58	Functional Phenotyping of the Maternal Albumin Turnover in the Mouse Placenta by Dynamic Contrast-Enhanced MRI. Molecular Imaging and Biology, 2011, 13, 481-492.	1.3	24
59	Survival and Size Are Differentially Regulated by Placental and Fetal PKBalpha/AKT1 in Mice1. Biology of Reproduction, 2011, 84, 537-545.	1.2	24
60	Selective degradation of cyclin B1 mRNA in rat oocytes by RNA interference (RNAi). Journal of Molecular Endocrinology, 2004, 33, 73-85.	1.1	23
61	Involvement of endothelin-1 and its receptors in PGF2?-induced luteolysis in the rat. Molecular Reproduction and Development, 2002, 63, 71-78.	1.0	22
62	Local production of the gonadotropic hormones in the rat ovary. Molecular and Cellular Endocrinology, 2008, 282, 32-38.	1.6	22
63	Epithelial Cell Transforming Protein 2 (ECT2) Depletion Blocks Polar Body Extrusion and Generates Mouse Oocytes Containing Two Metaphase II Spindles. Endocrinology, 2010, 151, 755-765.	1.4	20
64	Cyclic AMP, Prostaglandin E2 and Steroids: Possible Mediators in the Rat Cumulus Oophorus Mucification. Biology of Reproduction, 1980, 22, 289-296.	1.2	19
65	Translational and post-translational modifications in meiosis of the mammalian oocyte. Molecular and Cellular Endocrinology, 2002, 187, 161-171.	1.6	19
66	Molecular characterization and bioinformatics analysis of Ncoa7B, a novel ovulation-associated and reproduction system-specific Ncoa7 isoform. Reproduction, 2008, 135, 321-333.	1.1	18
67	Vasorin: a newly identified regulator of ovarian folliculogenesis. FASEB Journal, 2018, 32, 2124-2136.	0.2	18
68	From ubiquitinâ€proteasomal degradation to CDK1 inactivation: requirements for the first polar body extrusion in mouse oocytes. FASEB Journal, 2012, 26, 4495-4505.	0.2	17
69	Implantation: Mutual Activity of Sex Steroid Hormones and the Immune System Guarantee the Maternalâ€“Embryo Interaction. Seminars in Reproductive Medicine, 2014, 32, 337-345.	0.5	17
70	Hormonal Control of Ovulation. , 1986, , 57-90.		17
71	TNF-Î± Regulated Endometrial Stroma Secretome Promotes Trophoblast Invasion. Frontiers in Immunology, 2021, 12, 737401.	2.2	17
72	Interaction Between the Oocyte and the Granulosa Cells in the Preovulatory Follicle. , 1987, , 197-209.		14

#	Article	IF	Citations
73	Cytoplasmic polyadenylation controls cdc25B mRNA translation in rat oocytes resuming meiosis. Reproduction, 2006, 132, 21-31.	1.1	13
74	Blastocyst implantation failure relates to impaired translational machinery gene expression. Reproduction, 2014, 148, 87-98.	1.1	11
75	Gonadotropin releasing hormone: Regulation of phospholipid turnover and prostaglandin production in ovarian granulosa cells. Life Sciences, 1984, 35, 389-398.	2.0	10
76	Master Regulators of Female Fertility. New England Journal of Medicine, 2009, 361, 718-719.	13.9	10
77	Hormonal Regulation of GnRH and LHÎ² mRNA Expression in Cultured Rat Granulosa Cells. Journal of Molecular Neuroscience, 2009, 39, 78-85.	1.1	9
78	Experimental extension of the time interval between oocyte maturation and ovulation: effect on fertilization first cleavage. Fertility and Sterility, 1995, 64, 1023-1028.	0.5	7
79	Molecular participants in regulation of the meiotic cell cycle in mammalian oocytes. Reproduction, Fertility and Development, 2013, 25, 484.	0.1	7
80	The effect of repeated biopsy on pre-implantation genetic testing for monogenic diseases (PGT-M) treatment outcome. Journal of Assisted Reproduction and Genetics, 2019, 36, 159-164.	1.2	7
81	Hyaluronan control of the primary vascular barrier during early mouse pregnancy is mediated by uterine NK cells. JCI Insight, 2020, 5, .	2.3	7
82	Expression and regulation of the tumor suppressor, SEF, during folliculogenesis in humans and mice. Reproduction, 2014, 148, 507-517.	1.1	5
83	Fertilization and early development of rat oocytes induced to mature by forskolin. Molecular and Cellular Endocrinology, 1993, 96, 61-68.	1.6	4
84	High cGMP and low PDE3A activity are associated with oocyte meiotic incompetence. Cell Cycle, 2019, 18, 2629-2640.	1.3	3
85	Polar Body Extrusion and Ovulation. , 2018, , 197-203.		1
86	Prediction of Ovarian Follicular Dominance by MRI Phenotyping of Hormonally Induced Vascular Remodeling. Frontiers in Medicine, 2021, 8, 711810.	1.2	0
87	Preparation and evaluation of oocytes for ICSI. , 2012, , 114-121.		0
88	Regulation of Oocyte Maturation. , 1984, , 325-336.		0
89	Involvement of Calcium in the Transduction of the Hormonal Signal for Induction of Oocyte Maturation. , 1990, , 113-118.		0