

Nava Dekel

List of Publications by Year in descending order

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89
papers

5,705
citations

81900

39
h-index

76900

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. <i>Fertility and Sterility</i> , 2003, 79, 1317-1322.	1.0	413
2	Local injury of the endometrium induces an inflammatory response that promotes successful implantation. <i>Fertility and Sterility</i> , 2010, 94, 2030-2036.	1.0	309
3	Uterine DCs are crucial for decidua formation during embryo implantation in mice. <i>Journal of Clinical Investigation</i> , 2008, 118, 3954-65.	8.2	292
4	Reactive oxygen species are indispensable in ovulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 1462-1467.	7.1	277
5	REVIEW ARTICLE: Inflammation and Implantation. <i>American Journal of Reproductive Immunology</i> , 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. <i>Developmental Biology</i> , 1981, 86, 356-362.	2.0	219
7	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, 247-254.	2.0	214
8	Epidermal Growth Factor Induces Maturation of Rat Follicle-Enclosed Oocytes*. <i>Endocrinology</i> , 1985, 116, 406-409.	2.8	183
9	The Role of Inflammation for a Successful Implantation. <i>American Journal of Reproductive Immunology</i> , 2014, 72, 141-147.	1.2	179
10	Disruption of Gap Junctional Communication within the Ovarian Follicle Induces Oocyte Maturation. <i>Endocrinology</i> , 2006, 147, 2280-2286.	2.8	167
11	Ovarian Folliculogenesis. <i>Results and Problems in Cell Differentiation</i> , 2016, 58, 167-190.	0.7	148
12	Mitogen-Activated Protein Kinase Mediates Luteinizing Hormone-Induced Breakdown of Communication and Oocyte Maturation in Rat Ovarian Follicles. <i>Endocrinology</i> , 2005, 146, 1236-1244.	2.8	134
13	Induction<i>in Vitro</i> of Mucification of Rat Cumulus Oophorus by Gonadotrophins and Adenosine 3â€²,5â€²-Monophosphate*. <i>Endocrinology</i> , 1978, 102, 1797-1802.	2.8	118
14	Gap junctions in the ovary: Expression, localization and function. <i>Molecular and Cellular Endocrinology</i> , 2008, 282, 18-25.	3.2	117
15	The Proteasome Is Involved in the First Metaphase-to-Anaphase Transition of Meiosis in Rat Oocytes1. <i>Biology of Reproduction</i> , 2000, 62, 1270-1277.	2.7	113
16	Maturational Effects of Gonadotropins on the Cumulus-Oocyte Complex of the Rat. <i>Biology of Reproduction</i> , 1979, 20, 191-197.	2.7	108
17	Binding of Human Chorionic Gonadotropin by Rat Cumuli Oophori and Granulosa Cells: A Comparative Study*. <i>Endocrinology</i> , 1980, 106, 1114-1118.	2.8	108
18	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, 1042-1049.e9.	1.0	104

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19	Cellular, biochemical and molecular mechanisms regulating oocyte maturation. <i>Molecular and Cellular Endocrinology</i> , 2005, 234, 19-25.	3.2	100
20	Regulation of Oocyte Maturation.. <i>Annals of the New York Academy of Sciences</i> , 1988, 541, 211-216.	3.8	86
21	Sustained Activity of the EGF Receptor Is an Absolute Requisite for LH-Induced Oocyte Maturation and Cumulus Expansion. <i>Molecular Endocrinology</i> , 2010, 24, 402-411.	3.7	86
22	Newly Identified Regulators of Ovarian Folliculogenesis and Ovulation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4565.	4.1	83
23	Dissociation between the inhibitory and the stimulatory action of cAMP on maturation of rat oocytes. <i>Molecular and Cellular Endocrinology</i> , 1988, 56, 115-121.	3.2	73
24	Inhibition of Rat Oocyte Maturation and Ovulation by Nitric Oxide: Mechanism of Action1. <i>Biology of Reproduction</i> , 2008, 78, 1111-1118.	2.7	73
25	Maturation of the Rat Cumulus Oophorus: A Scanning Electron Microscopic Study. <i>Biology of Reproduction</i> , 1979, 21, 9-18.	2.7	67
26	Activators of protein kinase C stimulate meiotic maturation of rat oocytes. <i>Biochemical and Biophysical Research Communications</i> , 1985, 132, 570-574.	2.1	67
27	The ovarian gap junction protein connexin43: regulation by gonadotropins. <i>Trends in Endocrinology and Metabolism</i> , 2002, 13, 310-313.	7.1	65
28	Luteinizing Hormone-Induced Connexin 43 Down-Regulation: Inhibition of Translation. <i>Endocrinology</i> , 2004, 145, 1617-1624.	2.8	65
29	Developmental expression and regulation of the gap junction protein and transcript in rat ovaries. <i>Molecular Reproduction and Development</i> , 1997, 47, 231-239.	2.0	63
30	Meiotic arrest of oocytes depends on cell-to-cell communication in the ovarian follicle. <i>Molecular and Cellular Endocrinology</i> , 2006, 252, 102-106.	3.2	60
31	Cell Lineage Analysis of the Mammalian Female Germline. <i>PLoS Genetics</i> , 2012, 8, e1002477.	3.5	60
32	Colon Stem Cell and Crypt Dynamics Exposed by Cell Lineage Reconstruction. <i>PLoS Genetics</i> , 2011, 7, e1002192.	3.5	52
33	Inactivation of M-Phase Promoting Factor at Exit from First Embryonic Mitosis in the Rat Is Independent of Cyclin B1 Degradation1. <i>Biology of Reproduction</i> , 2001, 64, 871-878.	2.7	51
34	RECEPTORS FOR GONADOTROPIN RELEASING HORMONE ARE PRESENT IN RAT OOCYTES. <i>Endocrinology</i> , 1988, 123, 1205-1207.	2.8	49
35	An active protein kinase A (PKA) is involved in meiotic arrest of rat growing oocytes. <i>Reproduction</i> , 2006, 132, 33-43.	2.6	49
36	MRI analysis of angiogenesis during mouse embryo implantation. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 1013-1022.	3.0	48

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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 Oocytes I. Biology of Reproduction, 2003, 68, 1282-1290.	2.7	42
39	Low expression of COX2, reduced cumulus expansion, and impaired ovulation in SULT1E1-deficient mice. FASEB Journal, 2007, 21, 1893-1901.	0.5	41
40	Connexin43 in Rat Oocytes: Developmental Modulation of Its Phosphorylation I. Biology of Reproduction, 2002, 66, 568-573.	2.7	39
41	Maintenance of Meiotic Arrest by a Phosphorylated p34cdc2 is Independent of Cyclic Adenosine 3',5'-Monophosphate. Biology of Reproduction, 1994, 51, 956-962.	2.7	38
42	Temporal analysis of connexin43 protein and gene expression throughout the menstrual cycle in human endometrium. Fertility and Sterility, 2000, 73, 381-386.	1.0	38
43	cAMP-Dependent PKA Negatively Regulates Polyadenylation of c-mos mRNA 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.	2.0	36
45	Estimating Cell Depth from Somatic Mutations. PLoS Computational Biology, 2008, 4, e1000058.	3.2	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.	2.2	31
49	Oocyte-directed depletion of connexin43 using the Cre-LoxP system leads to subfertility in female mice. Developmental Biology, 2008, 313, 1-12.	2.0	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.	0.5	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.	2.0	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.	3.2	26

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55	Mammalian fertilization as seen with the scanning electron microscope. <i>American Journal of Anatomy</i> , 1985, 174, 357-372.	1.0	26
56	Induction of Maturation in Follicle-Enclosed Oocytes: The Response to Gonadotropins at Different Stages of Follicular Development. <i>Biology of Reproduction</i> , 1988, 38, 517-521.	2.7	26
57	Molecular control of meiosis. <i>Trends in Endocrinology and Metabolism</i> , 1995, 6, 165-169.	7.1	25
58	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.	2.6	24
59	Survival and Size Are Differentially Regulated by Placental and Fetal PKBalpha/AKT1 in Mice. <i>Biology of Reproduction</i> , 2011, 84, 537-545.	2.7	24
60	Selective degradation of cyclin B1 mRNA in rat oocytes by RNA interference (RNAi). <i>Journal of Molecular Endocrinology</i> , 2004, 33, 73-85.	2.5	23
61	Involvement of endothelin-1 and its receptors in PGF2 γ -induced luteolysis in the rat. <i>Molecular Reproduction and Development</i> , 2002, 63, 71-78.	2.0	22
62	Local production of the gonadotropic hormones in the rat ovary. <i>Molecular and Cellular Endocrinology</i> , 2008, 282, 32-38.	3.2	22
63	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, 755-765.	2.8	20
64	Cyclic AMP, Prostaglandin E2 and Steroids: Possible Mediators in the Rat Cumulus Oophorus Mucification. <i>Biology of Reproduction</i> , 1980, 22, 289-296.	2.7	19
65	Translational and post-translational modifications in meiosis of the mammalian oocyte. <i>Molecular and Cellular Endocrinology</i> , 2002, 187, 161-171.	3.2	19
66	Molecular characterization and bioinformatics analysis of Ncoa7B, a novel ovulation-associated and reproduction system-specific Ncoa7 isoform. <i>Reproduction</i> , 2008, 135, 321-333.	2.6	18
67	Vasorin: a newly identified regulator of ovarian folliculogenesis. <i>FASEB Journal</i> , 2018, 32, 2124-2136.	0.5	18
68	From ubiquitin-proteasomal degradation to CDK1 inactivation: requirements for the first polar body extrusion in mouse oocytes. <i>FASEB Journal</i> , 2012, 26, 4495-4505.	0.5	17
69	Implantation: Mutual Activity of Sex Steroid Hormones and the Immune System Guarantee the Maternal-Embryo Interaction. <i>Seminars in Reproductive Medicine</i> , 2014, 32, 337-345.	1.1	17
70	Hormonal Control of Ovulation. , 1986, , 57-90.		17
71	TNF- α Regulated Endometrial Stroma Secretome Promotes Trophoblast Invasion. <i>Frontiers in Immunology</i> , 2021, 12, 737401.	4.8	17
72	Interaction Between the Oocyte and the Granulosa Cells in the Preovulatory Follicle. , 1987, , 197-209.		14

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73	Cytoplasmic polyadenylation controls cdc25B mRNA translation in rat oocytes resuming meiosis. <i>Reproduction</i> , 2006, 132, 21-31.	2.6	13
74	Blastocyst implantation failure relates to impaired translational machinery gene expression. <i>Reproduction</i> , 2014, 148, 87-98.	2.6	11
75	Gonadotropin releasing hormone: Regulation of phospholipid turnover and prostaglandin production in ovarian granulosa cells. <i>Life Sciences</i> , 1984, 35, 389-398.	4.3	10
76	Master Regulators of Female Fertility. <i>New England Journal of Medicine</i> , 2009, 361, 718-719.	27.0	10
77	Hormonal Regulation of GnRH and LH β mRNA Expression in Cultured Rat Granulosa Cells. <i>Journal of Molecular Neuroscience</i> , 2009, 39, 78-85.	2.3	9
78	Experimental extension of the time interval between oocyte maturation and ovulation: effect on fertilization first cleavage. <i>Fertility and Sterility</i> , 1995, 64, 1023-1028.	1.0	7
79	Molecular participants in regulation of the meiotic cell cycle in mammalian oocytes. <i>Reproduction, Fertility and Development</i> , 2013, 25, 484.	0.4	7
80	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.	2.5	7
81	Hyaluronan control of the primary vascular barrier during early mouse pregnancy is mediated by uterine NK cells. <i>JCI Insight</i> , 2020, 5, .	5.0	7
82	Expression and regulation of the tumor suppressor, SEF, during folliculogenesis in humans and mice. <i>Reproduction</i> , 2014, 148, 507-517.	2.6	5
83	Fertilization and early development of rat oocytes induced to mature by forskolin. <i>Molecular and Cellular Endocrinology</i> , 1993, 96, 61-68.	3.2	4
84	High cGMP and low PDE3A activity are associated with oocyte meiotic incompetence. <i>Cell Cycle</i> , 2019, 18, 2629-2640.	2.6	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. <i>Frontiers in Medicine</i> , 2021, 8, 711810.	2.6	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