

Martin M Matzuk

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278
papers

29,507
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167
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290
ext. papers

32,345
ext. citations

9.8
avg, IF

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L-index

#	Paper	IF	Citations
278	Growth differentiation factor-9 is required during early ovarian folliculogenesis. <i>Nature</i> , 1996 , 383, 531-5	50.4	1272
277	Follicle stimulating hormone is required for ovarian follicle maturation but not male fertility. <i>Nature Genetics</i> , 1997 , 15, 201-4	36.3	1064
276	Social amnesia in mice lacking the oxytocin gene. <i>Nature Genetics</i> , 2000 , 25, 284-8	36.3	815
275	Alpha-inhibin is a tumour-suppressor gene with gonadal specificity in mice. <i>Nature</i> , 1992 , 360, 313-9	50.4	815
274	Continuous fatty acid oxidation and reduced fat storage in mice lacking acetyl-CoA carboxylase 2. <i>Science</i> , 2001 , 291, 2613-6	33.3	733
273	Intercellular communication in the mammalian ovary: oocytes carry the conversation. <i>Science</i> , 2002 , 296, 2178-80	33.3	684
272	The biology of infertility: research advances and clinical challenges. <i>Nature Medicine</i> , 2008 , 14, 1197-213	50.5	671
271	Synergistic roles of bone morphogenetic protein 15 and growth differentiation factor 9 in ovarian function. <i>Molecular Endocrinology</i> , 2001 , 15, 854-66		613
270	Math1 is essential for genesis of cerebellar granule neurons. <i>Nature</i> , 1997 , 390, 169-72	50.4	564
269	Pervasive social deficits, but normal parturition, in oxytocin receptor-deficient mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 16096-101	11.5	553
268	Anti-Müllerian hormone attenuates the effects of FSH on follicle development in the mouse ovary. <i>Endocrinology</i> , 2001 , 142, 4891-9	4.8	518
267	Different phenotypes for mice deficient in either activins or activin receptor type II. <i>Nature</i> , 1995 , 374, 356-60	50.4	499
266	Multiple defects and perinatal death in mice deficient in follistatin. <i>Nature</i> , 1995 , 374, 360-3	50.4	499
265	Functional analysis of activins during mammalian development. <i>Nature</i> , 1995 , 374, 354-6	50.4	496
264	Paracrine actions of growth differentiation factor-9 in the mammalian ovary. <i>Molecular Endocrinology</i> , 1999 , 13, 1035-48		492
263	NOBOX deficiency disrupts early folliculogenesis and oocyte-specific gene expression. <i>Science</i> , 2004 , 305, 1157-9	33.3	402
262	Regulation of muscle growth by multiple ligands signaling through activin type II receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 18117-22	11.5	396

261	The bone morphogenetic protein 15 gene is X-linked and expressed in oocytes. <i>Molecular Endocrinology</i> , 1998 , 12, 1809-17		373
260	Cardiac defects and altered ryanodine receptor function in mice lacking FKBP12. <i>Nature</i> , 1998 , 391, 489-92.	32.4	365
259	Molecular characterization of the follicle defects in the growth differentiation factor 9-deficient ovary. <i>Molecular Endocrinology</i> , 1999 , 13, 1018-34		364
258	Disruption of gastrulation and heparan sulfate biosynthesis in EXT1-deficient mice. <i>Developmental Biology</i> , 2000 , 224, 299-311	3.1	342
257	Zygote arrest 1 (Zar1) is a novel maternal-effect gene critical for the oocyte-to-embryo transition. <i>Nature Genetics</i> , 2003 , 33, 187-91	36.3	333
256	Cyclin A1 is required for meiosis in the male mouse. <i>Nature Genetics</i> , 1998 , 20, 377-80	36.3	318
255	Genetic dissection of mammalian fertility pathways. <i>Nature Cell Biology</i> , 2002 , 4 Suppl, s41-9	23.4	318
254	Knockout of pentraxin 3, a downstream target of growth differentiation factor-9, causes female subfertility. <i>Molecular Endocrinology</i> , 2002 , 16, 1154-67		311
253	Roles of NPM2 in chromatin and nucleolar organization in oocytes and embryos. <i>Science</i> , 2003 , 300, 633-6.	33.3	291
252	Infant vocalization, adult aggression, and fear behavior of an oxytocin null mutant mouse. <i>Hormones and Behavior</i> , 2000 , 37, 145-55	3.7	288
251	Small-molecule inhibition of BRDT for male contraception. <i>Cell</i> , 2012 , 150, 673-84	56.2	277
250	Synergistic roles of BMP15 and GDF9 in the development and function of the oocyte-cumulus cell complex in mice: genetic evidence for an oocyte-granulosa cell regulatory loop. <i>Developmental Biology</i> , 2004 , 276, 64-73	3.1	272
249	High-grade serous ovarian cancer arises from fallopian tube in a mouse model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 3921-6	11.5	270
248	Characterization of oocyte and follicle development in growth differentiation factor-9-deficient mice. <i>Developmental Biology</i> , 1998 , 204, 373-84	3.1	262
247	Targeted disruption of luteinizing hormone beta-subunit leads to hypogonadism, defects in gonadal steroidogenesis, and infertility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 17294-9	11.5	249
246	Oocyte-expressed TGF-beta superfamily members in female fertility. <i>Molecular and Cellular Endocrinology</i> , 2000 , 159, 1-5	4.4	231
245	Deletion of Dicer in somatic cells of the female reproductive tract causes sterility. <i>Molecular Endocrinology</i> , 2008 , 22, 2336-52		223
244	Oogenesis requires germ cell-specific transcriptional regulators <i>Sohlh1</i> and <i>Lhx8</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 8090-5	11.5	213

243	Molecular profiling uncovers a p53-associated role for microRNA-31 in inhibiting the proliferation of serous ovarian carcinomas and other cancers. <i>Cancer Research</i> , 2010 , 70, 1906-15	10.1	209
242	A link between mir-100 and FRAP1/mTOR in clear cell ovarian cancer. <i>Molecular Endocrinology</i> , 2010 , 24, 447-63		198
241	Insulin-like growth factor I regulates gonadotropin responsiveness in the murine ovary. <i>Molecular Endocrinology</i> , 1997 , 11, 1924-33		198
240	Growth differentiation factor 9:bone morphogenetic protein 15 heterodimers are potent regulators of ovarian functions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E776-85	11.5	194
239	TEX14 is essential for intercellular bridges and fertility in male mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 4982-7	11.5	192
238	Mutant mice lacking acetyl-CoA carboxylase 1 are embryonically lethal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 12011-6	11.5	192
237	Regulation of muscle mass by follistatin and activins. <i>Molecular Endocrinology</i> , 2010 , 24, 1998-2008		191
236	GDF11 controls the timing of progenitor cell competence in developing retina. <i>Science</i> , 2005 , 308, 1927-30	11.5	188
235	MLL2 is required in oocytes for bulk histone 3 lysine 4 trimethylation and transcriptional silencing. <i>PLoS Biology</i> , 2010 , 8, e1000453	9.7	186
234	Functional microRNA involved in endometriosis. <i>Molecular Endocrinology</i> , 2011 , 25, 821-32		186
233	Mice lacking ataxin-1 display learning deficits and decreased hippocampal paired-pulse facilitation. <i>Journal of Neuroscience</i> , 1998 , 18, 5508-16	6.6	181
232	Fatty acid synthesis is essential in embryonic development: fatty acid synthase null mutants and most of the heterozygotes die in utero. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 6358-63	11.5	179
231	Overexpression of mouse follistatin causes reproductive defects in transgenic mice. <i>Molecular Endocrinology</i> , 1998 , 12, 96-106		175
230	Insertion of <i>Inhbb</i> into the <i>Inhba</i> locus rescues the <i>Inhba</i> -null phenotype and reveals new activin functions. <i>Nature Genetics</i> , 2000 , 25, 453-7	36.3	173
229	Smad5 is required for mouse primordial germ cell development. <i>Mechanisms of Development</i> , 2001 , 104, 61-7	1.7	170
228	Conditional deletion of Smad1 and Smad5 in somatic cells of male and female gonads leads to metastatic tumor development in mice. <i>Molecular and Cellular Biology</i> , 2008 , 28, 248-57	4.8	169
227	Granulosa cell-specific inactivation of follistatin causes female fertility defects. <i>Molecular Endocrinology</i> , 2004 , 18, 953-67		167
226	Follistatin regulates enamel patterning in mouse incisors by asymmetrically inhibiting BMP signaling and ameloblast differentiation. <i>Developmental Cell</i> , 2004 , 7, 719-30	10.2	163

225	Major chromatin remodeling in the germinal vesicle (GV) of mammalian oocytes is dispensable for global transcriptional silencing but required for centromeric heterochromatin function. <i>Developmental Biology</i> , 2004 , 275, 447-58	3.1	163
224	Loss of zona pellucida binding proteins in the acrosomal matrix disrupts acrosome biogenesis and sperm morphogenesis. <i>Molecular and Cellular Biology</i> , 2007 , 27, 6794-805	4.8	161
223	Transgenic models to study gonadotropin function: the role of follicle-stimulating hormone in gonadal growth and tumorigenesis. <i>Molecular Endocrinology</i> , 1999 , 13, 851-65		157
222	Premature luteinization and cumulus cell defects in ovarian-specific Smad4 knockout mice. <i>Molecular Endocrinology</i> , 2006 , 20, 1406-22		140
221	HILS1 is a spermatid-specific linker histone H1-like protein implicated in chromatin remodeling during mammalian spermiogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 10546-51	11.5	140
220	Redundant roles of SMAD2 and SMAD3 in ovarian granulosa cells in vivo. <i>Molecular and Cellular Biology</i> , 2008 , 28, 7001-11	4.8	136
219	Role of satellite cells versus myofibers in muscle hypertrophy induced by inhibition of the myostatin/activin signaling pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, E2353-60	11.5	131
218	Bidirectional communication between oocytes and ovarian follicular somatic cells is required for meiotic arrest of mammalian oocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E3723-9	11.5	129
217	Nobox is a homeobox-encoding gene preferentially expressed in primordial and growing oocytes. <i>Mechanisms of Development</i> , 2002 , 111, 137-41	1.7	129
216	Germ cell intercellular bridges. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011 , 3, a005850	10.2	128
215	Smad5 is essential for left-right asymmetry in mice. <i>Developmental Biology</i> , 2000 , 219, 71-8	3.1	128
214	GASZ is essential for male meiosis and suppression of retrotransposon expression in the male germline. <i>PLoS Genetics</i> , 2009 , 5, e1000635	6	125
213	Absence of the DNA-/RNA-binding protein MSY2 results in male and female infertility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 5755-60	11.5	122
212	A bioinformatics tool for linking gene expression profiling results with public databases of microRNA target predictions. <i>Rna</i> , 2008 , 14, 2290-6	5.8	121
211	Lineage specification of ovarian theca cells requires multicellular interactions via oocyte and granulosa cells. <i>Nature Communications</i> , 2015 , 6, 6934	17.4	112
210	Revelations of ovarian follicle biology from gene knockout mice. <i>Molecular and Cellular Endocrinology</i> , 2000 , 163, 61-6	4.4	112
209	Activin betaC and betaE genes are not essential for mouse liver growth, differentiation, and regeneration. <i>Molecular and Cellular Biology</i> , 2000 , 20, 6127-37	4.8	111
208	Biochemical interactions of the neuronal pentraxins. Neuronal pentraxin (NP) receptor binds to taipoxin and taipoxin-associated calcium-binding protein 49 via NP1 and NP2. <i>Journal of Biological Chemistry</i> , 2000 , 275, 17786-92	5.4	107

207	Follicle-stimulating hormone increases testicular Anti-Mullerian hormone (AMH) production through sertoli cell proliferation and a nonclassical cyclic adenosine 5Rmonophosphate-mediated activation of the AMH Gene. <i>Molecular Endocrinology</i> , 2003 , 17, 550-61		106
206	Intraovarian activins are required for female fertility. <i>Molecular Endocrinology</i> , 2007 , 21, 2458-71		102
205	Non-invasive genetic diagnosis of male infertility using spermatozoal RNA: KLHL10 mutations in oligozoospermic patients impair homodimerization. <i>Human Molecular Genetics</i> , 2006 , 15, 3411-9	5.6	101
204	Genome engineering uncovers 54 evolutionarily conserved and testis-enriched genes that are not required for male fertility in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 7704-10	11.5	98
203	Haploinsufficiency of kelch-like protein homolog 10 causes infertility in male mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 7793-8	11.5	92
202	Preservation of hypothalamic dopaminergic neurons in Parkinson's disease. <i>Annals of Neurology</i> , 1985 , 18, 552-5	9.4	91
201	Knockout of Pentraxin 3, a Downstream Target of Growth Differentiation Factor-9, Causes Female Subfertility		90
200	Growth differentiation factor 9 regulates expression of the bone morphogenetic protein antagonist gremlin. <i>Journal of Biological Chemistry</i> , 2004 , 279, 32281-6	5.4	89
199	Mouse oocytes enable LH-induced maturation of the cumulus-oocyte complex via promoting EGF receptor-dependent signaling. <i>Molecular Endocrinology</i> , 2010 , 24, 1230-9		88
198	Conversion of midbodies into germ cell intercellular bridges. <i>Developmental Biology</i> , 2007 , 305, 389-96	3.1	88
197	Granulosa cell-expressed BMPR1A and BMPR1B have unique functions in regulating fertility but act redundantly to suppress ovarian tumor development. <i>Molecular Endocrinology</i> , 2010 , 24, 1251-66		87
196	Activation of neuronal gene expression by the JMJD3 demethylase is required for postnatal and adult brain neurogenesis. <i>Cell Reports</i> , 2014 , 8, 1290-9	10.6	85
195	The testis-enriched histone demethylase, KDM4D, regulates methylation of histone H3 lysine 9 during spermatogenesis in the mouse but is dispensable for fertility. <i>Biology of Reproduction</i> , 2011 , 84, 1225-34	3.9	85
194	A mutation in the inner mitochondrial membrane peptidase 2-like gene (Immp2l) affects mitochondrial function and impairs fertility in mice. <i>Biology of Reproduction</i> , 2008 , 78, 601-10	3.9	84
193	Discovery of novel microRNAs in female reproductive tract using next generation sequencing. <i>PLoS ONE</i> , 2010 , 5, e9637	3.7	84
192	The art and artifact of GDF9 activity: cumulus expansion and the cumulus expansion-enabling factor. <i>Biology of Reproduction</i> , 2005 , 73, 582-5	3.9	83
191	Analysis of ovarian gene expression in follicle-stimulating hormone beta knockout mice. <i>Endocrinology</i> , 2001 , 142, 2742-51	4.8	83
190	Mouse let-7 miRNA populations exhibit RNA editing that is constrained in the 5Rseed/cleavage/anchor regions and stabilize predicted mmu-let-7a:mRNA duplexes. <i>Genome Research</i> , 2008 , 18, 1571-81	9.7	82

189	Analysis of microRNA expression in the prepubertal testis. <i>PLoS ONE</i> , 2010 , 5, e15317	3.7	82
188	The long pentraxin PTX3 is crucial for tissue inflammation after intestinal ischemia and reperfusion in mice. <i>American Journal of Pathology</i> , 2009 , 174, 1309-18	5.8	81
187	Revisiting oocyte-somatic cell interactions: in search of novel intrafollicular predictors and regulators of oocyte developmental competence. <i>Molecular Human Reproduction</i> , 2008 , 14, 673-8	4.4	80
186	BMP2 is required for postimplantation uterine function and pregnancy maintenance. <i>Journal of Clinical Investigation</i> , 2013 , 123, 2539-50	15.9	79
185	Gene targeting approaches to neuroendocrinology: oxytocin, maternal behavior, and affiliation. <i>Hormones and Behavior</i> , 1997 , 31, 221-31	3.7	78
184	Loss of Zona Pellucida Binding Proteins in the Acrosomal Matrix Disrupts Acrosome Biogenesis and Sperm Morphogenesis. <i>Molecular and Cellular Biology</i> , 2008 , 28, 2495-2495	4.8	78
183	Reproductive defects in gamma-glutamyl transpeptidase-deficient mice. <i>Endocrinology</i> , 2000 , 141, 4270-7	7.8	78
182	Discovery of germ cell-specific transcripts by expressed sequence tag database analysis. <i>Fertility and Sterility</i> , 2001 , 76, 550-4	4.8	78
181	Absence of tektin 4 causes asthenozoospermia and subfertility in male mice. <i>FASEB Journal</i> , 2007 , 21, 1013-25	0.9	77
180	The menstrual cycle: basic biology. <i>Annals of the New York Academy of Sciences</i> , 2008 , 1135, 10-8	6.5	76
179	Zygote arrest 1 (Zar1) is an evolutionarily conserved gene expressed in vertebrate ovaries. <i>Biology of Reproduction</i> , 2003 , 69, 861-7	3.9	76
178	Overexpression of human chorionic gonadotropin causes multiple reproductive defects in transgenic mice. <i>Biology of Reproduction</i> , 2003 , 69, 338-46	3.9	76
177	Connective tissue growth factor is required for normal follicle development and ovulation. <i>Molecular Endocrinology</i> , 2011 , 25, 1740-59		74
176	Transforming growth factor receptor type 1 is essential for female reproductive tract integrity and function. <i>PLoS Genetics</i> , 2011 , 7, e1002320	6	74
175	Worldwide frequency of a common genetic variant of luteinizing hormone: an international collaborative research. International Collaborative Research Group. <i>Fertility and Sterility</i> , 1997 , 67, 998-1004	4.8	74
174	Mouse TEX14 is required for embryonic germ cell intercellular bridges but not female fertility. <i>Biology of Reproduction</i> , 2009 , 80, 449-57	3.9	72
173	Studying TGF-beta superfamily signaling by knockouts and knockins. <i>Molecular and Cellular Endocrinology</i> , 2001 , 180, 39-46	4.4	70
172	Estrogen promotes the development of mouse cumulus cells in coordination with oocyte-derived GDF9 and BMP15. <i>Molecular Endocrinology</i> , 2010 , 24, 2303-14		69

171	Loss of inhibin alpha uncouples oocyte-granulosa cell dynamics and disrupts postnatal folliculogenesis. <i>Developmental Biology</i> , 2009 , 334, 458-67	3.1	67
170	SMAD3 regulates gonadal tumorigenesis. <i>Molecular Endocrinology</i> , 2007 , 21, 2472-86		67
169	Previously uncharacterized roles of platelet-activating factor acetylhydrolase 1b complex in mouse spermatogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 7189-94	11.5	67
168	Interrelationship of growth differentiation factor 9 and inhibin in early folliculogenesis and ovarian tumorigenesis in mice. <i>Molecular Endocrinology</i> , 2004 , 18, 1509-19		66
167	Genetic models for transforming growth factor beta superfamily signaling in ovarian follicle development. <i>Molecular and Cellular Endocrinology</i> , 2004 , 225, 83-91	4.4	66
166	Recombination site selection by Tn3 resolvase: topological tests of a tracking mechanism. <i>Cell</i> , 1985 , 40, 147-58	56.2	66
165	Inhibin and p27 interact to regulate gonadal tumorigenesis. <i>Molecular Endocrinology</i> , 2001 , 15, 985-96		64
164	Activin-like kinase 2 functions in peri-implantation uterine signaling in mice and humans. <i>PLoS Genetics</i> , 2013 , 9, e1003863	6	61
163	Activin bioactivity affects germ cell differentiation in the postnatal mouse testis in vivo. <i>Biology of Reproduction</i> , 2010 , 82, 980-90	3.9	61
162	RFPL4 interacts with oocyte proteins of the ubiquitin-proteasome degradation pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 550-5	11.5	61
161	Obox, a family of homeobox genes preferentially expressed in germ cells. <i>Genomics</i> , 2002 , 79, 711-7	4.3	60
160	TEX14 interacts with CEP55 to block cell abscission. <i>Molecular and Cellular Biology</i> , 2010 , 30, 2280-92	4.8	59
159	Prevention of cachexia-like syndrome development and reduction of tumor progression in inhibin-deficient mice following administration of a chimeric activin receptor type II-murine Fc protein. <i>Molecular Human Reproduction</i> , 2007 , 13, 675-83	4.4	58
158	Stimulation of activin receptor II signaling pathways inhibits differentiation of multiple gastric epithelial lineages. <i>Molecular Endocrinology</i> , 1998 , 12, 181-92		57
157	The asparagine-linked oligosaccharides of the human chorionic gonadotropin beta subunit facilitate correct disulfide bond pairing. <i>Journal of Biological Chemistry</i> , 1995 , 270, 11851-9	5.4	57
156	Mutagenesis and gene transfer define site-specific roles of the gonadotropin oligosaccharides. <i>Biology of Reproduction</i> , 1989 , 40, 48-53	3.9	57
155	MRG15 regulates embryonic development and cell proliferation. <i>Molecular and Cellular Biology</i> , 2005 , 25, 2924-37	4.8	53
154	In vitro differentiation of human embryonic stem cells into ovarian follicle-like cells. <i>Nature Communications</i> , 2017 , 8, 15680	17.4	51

153	Association of mutations in the zona pellucida binding protein 1 (ZPBP1) gene with abnormal sperm head morphology in infertile men. <i>Molecular Human Reproduction</i> , 2012 , 18, 14-21	4.4	51
152	Activins are critical modulators of growth and survival. <i>Molecular Endocrinology</i> , 2003 , 17, 2404-17		49
151	Disruption of gamma-glutamyl leukotrienase results in disruption of leukotriene D(4) synthesis in vivo and attenuation of the acute inflammatory response. <i>Molecular and Cellular Biology</i> , 2001 , 21, 5389-5395	4.8	49
150	Tektin 3 is required for progressive sperm motility in mice. <i>Molecular Reproduction and Development</i> , 2009 , 76, 453-9	2.6	48
149	Cyclin D2 and p27 are tissue-specific regulators of tumorigenesis in inhibin alpha knockout mice. <i>Molecular Endocrinology</i> , 2003 , 17, 2053-69		48
148	TCTE1 is a conserved component of the dynein regulatory complex and is required for motility and metabolism in mouse spermatozoa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E5370-E5378	11.5	47
147	As the world grows: contraception in the 21st century. <i>Journal of Clinical Investigation</i> , 2008 , 118, 1330-43	5.9	47
146	Stable expression and characterization of N-terminal tagged recombinant human bone morphogenetic protein 15. <i>Molecular Human Reproduction</i> , 2009 , 15, 779-88	4.4	46
145	CRISPR/Cas9-mediated genome editing reveals 30 testis-enriched genes dispensable for male fertility in mice. <i>Biology of Reproduction</i> , 2019 , 101, 501-511	3.9	45
144	Identification of an inhibin receptor in gonadal tumors from inhibin alpha-subunit knockout mice. <i>Journal of Biological Chemistry</i> , 1998 , 273, 398-403	5.4	44
143	Fibroblast growth factors and epidermal growth factor cooperate with oocyte-derived members of the TGFbeta superfamily to regulate Spry2 mRNA levels in mouse cumulus cells. <i>Biology of Reproduction</i> , 2009 , 81, 833-41	3.9	43
142	Uterine activin receptor-like kinase 5 is crucial for blastocyst implantation and placental development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E5098-107	11.5	42
141	Altered excitation-contraction coupling with skeletal muscle specific FKBP12 deficiency. <i>FASEB Journal</i> , 2004 , 18, 1597-9	0.9	42
140	A Mild, DNA-Compatible Nitro Reduction Using B(OH). <i>Organic Letters</i> , 2019 , 21, 2194-2199	6.2	41
139	Sperm proteins SOF1, TMEM95, and SPACA6 are required for sperm-oocyte fusion in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 11493-11502	11.5	41
138	Deficiency of growth differentiation factor 3 protects against diet-induced obesity by selectively acting on white adipose. <i>Molecular Endocrinology</i> , 2009 , 23, 113-23		41
137	Mendelian genetics of male infertility. <i>Annals of the New York Academy of Sciences</i> , 2010 , 1214, E1-E17	6.5	40
136	The TGF-β Family in the Reproductive Tract. <i>Cold Spring Harbor Perspectives in Biology</i> , 2017 , 9,	10.2	39

135	Genetics of mammalian reproduction: modeling the end of the germline. <i>Annual Review of Physiology</i> , 2012 , 74, 503-28	23.1	39
134	Identification of Zfp393, a germ cell-specific gene encoding a novel zinc finger protein. <i>Mechanisms of Development</i> , 2002 , 118, 233-9	1.7	39
133	Quantitative Comparison of Enrichment from DNA-Encoded Chemical Library Selections. <i>ACS Combinatorial Science</i> , 2019 , 21, 75-82	3.9	38
132	Functional analysis of mammalian members of the transforming growth factor-beta superfamily. <i>Trends in Endocrinology and Metabolism</i> , 1995 , 6, 120-7	8.8	37
131	Normal reproductive function in InhBP/p120-deficient mice. <i>Molecular and Cellular Biology</i> , 2003 , 23, 4882-91	4.8	36
130	CDKN2D-WDFY2 is a cancer-specific fusion gene recurrent in high-grade serous ovarian carcinoma. <i>PLoS Genetics</i> , 2014 , 10, e1004216	6	35
129	CRISPR/Cas9-derived models of ovarian high grade serous carcinoma targeting Brca1, Pten and Nf1, and correlation with platinum sensitivity. <i>Scientific Reports</i> , 2017 , 7, 16827	4.9	34
128	Retinoblastoma protein plays multiple essential roles in the terminal differentiation of Sertoli cells. <i>Molecular Endocrinology</i> , 2009 , 23, 1900-13		34
127	Female infertility and disrupted angiogenesis are actions of specific follistatin isoforms. <i>Molecular Endocrinology</i> , 2008 , 22, 415-29		34
126	Oosp1 encodes a novel mouse oocyte-secreted protein. <i>Genesis</i> , 2001 , 31, 105-10	1.9	34
125	Expression of recombinant human choriogonadotropin in Chinese hamster ovary glycosylation mutants. <i>Molecular Endocrinology</i> , 1989 , 3, 2011-7		33
124	Recurrent BCAM-AKT2 fusion gene leads to a constitutively activated AKT2 fusion kinase in high-grade serous ovarian carcinoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E1272-7	11.5	32
123	MRG15 is required for pre-mRNA splicing and spermatogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E5408-15	11.5	32
122	Inhibitory phosphorylation of separase is essential for genome stability and viability of murine embryonic germ cells. <i>PLoS Biology</i> , 2008 , 6, e15	9.7	32
121	Uterine ALK3 is essential during the window of implantation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E387-95	11.5	31
120	Endothelial pentraxin 3 contributes to murine ischemic acute kidney injury. <i>Kidney International</i> , 2012 , 82, 1195-207	9.9	31
119	GDF-9 and BMP-15: oocyte organizers. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2002 , 3, 27-32	10.5	31
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