Peter A Koopman

List of Publications by Citations

266 papers	23,690 citations	76 h-index	149 g-index
280 ext. papers	25,928 ext. citations	7.6 avg, IF	6.74 L-index

#	Paper	IF	Citations
266	Male development of chromosomally female mice transgenic for Sry. *Nature*, **1991**, 351, 117-21	50.4	1741
265	A gene mapping to the sex-determining region of the mouse Y chromosome is a member of a novel family of embryonically expressed genes. *Nature*, **1990**, 346, 245-50	50.4	1396
264	Circular transcripts of the testis-determining gene Sry in adult mouse testis. *Cell*, **1993**, 73, 1019-30	56.2	783
263	Retinoid signaling determines germ cell fate in mice. *Science*, **2006**, 312, 596-600	33.3	770
262	SOX9 directly regulates the type-II collagen gene. *Nature Genetics*, **1997**, 16, 174-8	36.3	745
261	Phylogeny of the SOX family of developmental transcription factors based on sequence and structural indicators. *Developmental Biology*, **2000**, 227, 239-55	3.1	720
260	Expression of a candidate sex-determining gene during mouse testis differentiation. *Nature*, **1990**, 348, 450-2	50.4	718
259	The Sry-related gene Sox9 is expressed during chondrogenesis in mouse embryos. *Nature Genetics*, **1995**, 9, 15-20	36.3	580
258	SOX9 binds DNA, activates transcription, and coexpresses with type II collagen during chondrogenesis in the mouse. *Developmental Biology*, **1997**, 183, 108-21	3.1	560
257	Sex determination and gonadal development in mammals. *Physiological Reviews*, **2007**, 87, 1-28	47.9	444
256	Twenty pairs of sox: extent, homology, and nomenclature of the mouse and human sox transcription factor gene families. *Developmental Cell*, **2002**, 3, 167-70	10.2	408
255	Sox18 induces development of the lymphatic vasculature in mice. *Nature*, **2008**, 456, 643-7	50.4	405
254	Global Disorders of Sex Development Update since 2006: Perceptions, Approach and Care. *Hormone Research in Paediatrics*, **2016**, 85, 158-80	3.3	379
253	SOX9 enhances aggrecan gene promoter/enhancer activity and is up-regulated by retinoic acid in a cartilage-derived cell line, TC6. *Journal of Biological Chemistry*, **2000**, 275, 10738-44	5.4	365
252	Seeds of concern. *Nature*, **2004**, 432, 48-52	50.4	280
251	Fresh and cryopreserved ovarian tissue samples from donors with lymphoma transmit the cancer to graft recipients. *Human Reproduction*, **1996**, 11, 1668-73	5.7	267
250	Retinoic acid, meiosis and germ cell fate in mammals. *Development (Cambridge)*, **2007**, 134, 3401-11	6.6	261

249	Matching SOX: partner proteins and co-factors of the SOX family of transcriptional regulators. *Current Opinion in Genetics and Development*, **2002**, 12, 441-6	4.9	250
248	Hypoxia induces chondrocyte-specific gene expression in mesenchymal cells in association with transcriptional activation of Sox9. *Bone*, **2005**, 37, 313-22	4.7	243
247	Sertoli cell differentiation is induced both cell-autonomously and through prostaglandin signaling during mammalian sex determination. *Developmental Biology*, **2005**, 287, 111-24	3.1	237
246	Sry: the master switch in mammalian sex determination. *Development (Cambridge)*, **2010**, 137, 3921-30	6.6	234
245	Building the mammalian testis: origins, differentiation, and assembly of the component cell populations. *Genes and Development*, **2013**, 27, 2409-26	12.6	231
244	Genesis and expansion of metazoan transcription factor gene classes. *Molecular Biology and Evolution*, **2008**, 25, 980-96	8.3	221
243	Spatially dynamic expression of Sry in mouse genital ridges. *Developmental Dynamics*, **2001**, 221, 201-5	2.9	212
242	FGF9 suppresses meiosis and promotes male germ cell fate in mice. *Developmental Cell*, **2010**, 19, 440-9	10.2	196
241	Etiology of ovarian failure in blepharophimosis ptosis epicanthus inversus syndrome: FOXL2 is a conserved, early-acting gene in vertebrate ovarian development. *Endocrinology*, **2003**, 144, 3237-43	4.8	193
240	Epigenetic regulation of mouse sex determination by the histone demethylase Jmjd1a. *Science*, **2013**, 341, 1106-9	33.3	190
239	Mutations in Sox18 underlie cardiovascular and hair follicle defects in ragged mice. *Nature Genetics*, **2000**, 24, 434-7	36.3	179
238	Zfy gene expression patterns are not compatible with a primary role in mouse sex determination. *Nature*, **1989**, 342, 940-2	50.4	178
237	Seven new members of the Sox gene family expressed during mouse development. *Nucleic Acids Research*, **1993**, 21, 744	20.1	170
236	The makings of maleness: towards an integrated view of male sexual development. *Nature Reviews Genetics*, **2006**, 7, 620-31	30.1	169
235	SOX9 regulates prostaglandin D synthase gene transcription in vivo to ensure testis development. *Journal of Biological Chemistry*, **2007**, 282, 10553-60	5.4	166
234	Disorders of sex development: insights from targeted gene sequencing of a large international patient cohort. *Genome Biology*, **2016**, 17, 243	18.3	166
233	An H-YDb epitope is encoded by a novel mouse Y chromosome gene. *Nature Genetics*, **1996**, 14, 474-8	36.3	165
232	The UTX gene escapes X inactivation in mice and humans. *Human Molecular Genetics*, **1998**, 7, 737-42	5.6	163

231	Expression of a linear Sry transcript in the mouse genital ridge. *Nature Genetics*, **1995**, 10, 480-2	36.3	158
230	A critical time window of Sry action in gonadal sex determination in mice. *Development (Cambridge)*, **2009**, 136, 129-38	6.6	157
229	Redundant roles of Sox17 and Sox18 in postnatal angiogenesis in mice. *Journal of Cell Science*, **2006**, 119, 3513-26	5.3	157
228	Sox18 and Sox7 play redundant roles in vascular development. *Blood*, **2008**, 111, 2657-66	2.2	155
227	Expression of distinct RNAs from 3Quntranslated regions. *Nucleic Acids Research*, **2011**, 39, 2393-403	20.1	153
226	Delayed Sry and Sox9 expression in developing mouse gonads underlies B6-Y(DOM) sex reversal. *Developmental Biology*, **2005**, 278, 473-81	3.1	140
225	Endothelial cell migration directs testis cord formation. *Developmental Biology*, **2009**, 326, 112-20	3.1	136
224	The Sry-related HMG box-containing gene Sox6 is expressed in the adult testis and developing nervous system of the mouse. *Nucleic Acids Research*, **1995**, 23, 3365-72	20.1	132
223	Expression profiling of purified mouse gonadal somatic cells during the critical time window of sex determination reveals novel candidate genes for human sexual dysgenesis syndromes. *Human Molecular Genetics*, **2006**, 15, 417-31	5.6	131
222	SOX8 is expressed during testis differentiation in mice and synergizes with SF1 to activate the Amh promoter in vitro. *Journal of Biological Chemistry*, **2003**, 278, 28101-8	5.4	130
221	Germ cells enter meiosis in a rostro-caudal wave during development of the mouse ovary. *Molecular Reproduction and Development*, **2004**, 68, 422-8	2.6	128
220	Origin and diversity of the SOX transcription factor gene family: genome-wide analysis in Fugu rubripes. *Gene*, **2004**, 328, 177-86	3.8	124
219	Redundant roles of Sox17 and Sox18 in early cardiovascular development of mouse embryos. *Biochemical and Biophysical Research Communications*, **2007**, 360, 539-44	3.4	123
218	Sox10 gain-of-function causes XX sex reversal in mice: implications for human 22q-linked disorders of sex development. *Human Molecular Genetics*, **2010**, 19, 506-16	5.6	120
217	Cbx2, a polycomb group gene, is required for Sry gene expression in mice. *Endocrinology*, **2012**, 153, 913-24	4.8	118
216	Sox genes and cancer. *Cytogenetic and Genome Research*, **2004**, 105, 442-7	1.9	116
215	A high-resolution anatomical ontology of the developing murine genitourinary tract. *Gene Expression Patterns*, **2007**, 7, 680-99	1.5	114
214	Sry requires a CAG repeat domain for male sex determination in Mus musculus. *Nature Genetics*, **1999**, 22, 405-8	36.3	114

213	SoxF genes: Key players in the development of the cardio-vascular system. *International Journal of Biochemistry and Cell Biology*, **2010**, 42, 445-8	5.6	113
212	Loss of mitogen-activated protein kinase kinase kinase 4 (MAP3K4) reveals a requirement for MAPK signalling in mouse sex determination. *PLoS Biology*, **2009**, 7, e1000196	9.7	112
211	Initiating meiosis: the case for retinoic acid. *Biology of Reproduction*, **2012**, 86, 35	3.9	111
210	Expression of the Sox11 gene in mouse embryos suggests roles in neuronal maturation and epithelio-mesenchymal induction. *Developmental Dynamics*, **1997**, 210, 79-86	2.9	111
209	Control of mammalian germ cell entry into meiosis. *Molecular and Cellular Endocrinology*, **2014**, 382, 488-497	4.4	100
208	Mice null for sox18 are viable and display a mild coat defect. *Molecular and Cellular Biology*, **2000**, 20, 9331-6	4.8	100
207	Mouse germ cell development: from specification to sex determination. *Molecular and Cellular Endocrinology*, **2010**, 323, 76-93	4.4	98
206	Onset of meiosis in the chicken embryo; evidence of a role for retinoic acid. *BMC Developmental Biology*, **2008**, 8, 85	3.1	92
205	Antagonism of the testis- and ovary-determining pathways during ovotestis development in mice. *Mechanisms of Development*, **2009**, 126, 324-36	1.7	90
204	Sex determination in mammalian germ cells: extrinsic versus intrinsic factors. *Reproduction*, **2010**, 139, 943-58	3.8	88
203	Widespread expression of the testis-determining gene SRY in a marsupial. *Nature Genetics*, **1995**, 11, 347-9	36.3	88
202	Copy number variation in patients with disorders of sex development due to 46,XY gonadal dysgenesis. *PLoS ONE*, **2011**, 6, e17793	3.7	88
201	Switching on sex: transcriptional regulation of the testis-determining gene Sry. *Development (Cambridge)*, **2014**, 141, 2195-205	6.6	86
200	CXCR4/SDF1 interaction inhibits the primordial to primary follicle transition in the neonatal mouse ovary. *Developmental Biology*, **2006**, 293, 449-60	3.1	86
199	Coordinated expression of scleraxis and Sox9 genes during embryonic development of tendons and cartilage. *Journal of Orthopaedic Research*, **2002**, 20, 827-33	3.8	86
198	Structural and functional characterization of the mouse Sox9 promoter: implications for campomelic dysplasia. *Human Molecular Genetics*, **1999**, 8, 691-6	5.6	82
197	Endogenous Nodal signaling regulates germ cell potency during mammalian testis development. *Development (Cambridge)*, **2012**, 139, 4123-32	6.6	81
196	Location of the genes controlling H-Y antigen expression and testis determination on the mouse Y chromosome. *Proceedings of the National Academy of Sciences of the United States of America*, **1988**, 85, 6442-5	11.5	80

195	SOX9 regulates microRNA miR-202-5p/3p expression during mouse testis differentiation. *Biology of Reproduction*, **2013**, 89, 34	3.9	79
194	FOXL2 and BMP2 act cooperatively to regulate follistatin gene expression during ovarian development. *Endocrinology*, **2011**, 152, 272-80	4.8	79
193	Sox8 is a critical regulator of adult Sertoli cell function and male fertility. *Developmental Biology*, **2008**, 316, 359-70	3.1	79
192	Sry and the hesitant beginnings of male development. *Developmental Biology*, **2007**, 302, 13-24	3.1	78
191	The human SOX11 gene: cloning, chromosomal assignment and tissue expression. *Genomics*, **1995**, 29, 541-5	4.3	76
190	Antagonistic regulation of Cyp26b1 by transcription factors SOX9/SF1 and FOXL2 during gonadal development in mice. *FASEB Journal*, **2011**, 25, 3561-9	0.9	72
189	Segmental territories along the cardinal veins generate lymph sacs via a ballooning mechanism during embryonic lymphangiogenesis in mice. *Developmental Biology*, **2012**, 364, 89-98	3.1	70
188	Sry and Sox9: mammalian testis-determining genes. *Cellular and Molecular Life Sciences*, **1999**, 55, 839-56	10.3	70
187	Trans-activation and DNA-binding properties of the transcription factor, Sox-18. *Nucleic Acids Research*, **1995**, 23, 2626-8	20.1	70
186	Female-to-male sex reversal in mice caused by transgenic overexpression of Dmrt1. *Development (Cambridge)*, **2015**, 142, 1083-8	6.6	69
185	Sox7 and Sox17 are strain-specific modifiers of the lymphangiogenic defects caused by Sox18 dysfunction in mice. *Development (Cambridge)*, **2009**, 136, 2385-91	6.6	69
184	Three-dimensional visualization of testis cord morphogenesis, a novel tubulogenic mechanism in development. *Developmental Dynamics*, **2009**, 238, 1033-41	2.9	67
183	Cloning and characterisation of the Sry-related transcription factor gene Sox8. *Nucleic Acids Research*, **2000**, 28, 1473-80	20.1	67
182	Effect of disrupted SOX18 transcription factor function on tumor growth, vascularization, and endothelial development. *Journal of the National Cancer Institute*, **2006**, 98, 1060-7	9.7	65
181	Human sex reversal is caused by duplication or deletion of core enhancers upstream of SOX9. *Nature Communications*, **2018**, 9, 5319	17.4	65
180	SOX18 and the transcriptional regulation of blood vessel development. *Trends in Cardiovascular Medicine*, **2001**, 11, 318-24	6.9	62
179	Conserved regulatory modules in the Sox9 testis-specific enhancer predict roles for SOX, TCF/LEF, Forkhead, DMRT, and GATA proteins in vertebrate sex determination. *International Journal of Biochemistry and Cell Biology*, **2010**, 42, 472-7	5.6	61
178	Sex determination: a tale of two Sox genes. *Trends in Genetics*, **2005**, 21, 367-70	8.5	61

177	Tumor lymphangiogenesis as a potential therapeutic target. *Journal of Oncology*, **2012**, 2012, 204946	4.5	60
176	Dexamethasone enhances SOX9 expression in chondrocytes. *Journal of Endocrinology*, **2001**, 169, 573-9	4.7	60
175	A cell-autonomous role for WT1 in regulating Sry in vivo. *Human Molecular Genetics*, **2009**, 18, 3429-38	5.6	59
174	Loss of Wnt5a disrupts primordial germ cell migration and male sexual development in mice. *Biology of Reproduction*, **2012**, 86, 1-12	3.9	59
173	Identification of suitable normalizing genes for quantitative real-time RT-PCR analysis of gene expression in fetal mouse gonads. *Sexual Development*, **2009**, 3, 194-204	1.6	59
172	The ins and outs of transcriptional control: nucleocytoplasmic shuttling in development and disease. *Trends in Genetics*, **2004**, 20, 4-8	8.5	59
171	Wnt signaling in ovarian development inhibits Sf1 activation of Sox9 via the Tesco enhancer. *Endocrinology*, **2012**, 153, 901-12	4.8	58
170	A subtractive gene expression screen suggests a role for vanin-1 in testis development in mice. *Genesis*, **2000**, 27, 124-135	1.9	58
169	A factor produced by feeder cells which inhibits embryonal carcinoma cell differentiation. Characterization and partial purification. *Experimental Cell Research*, **1984**, 154, 233-42	4.2	57
168	VEGFD regulates blood vascular development by modulating SOX18 activity. *Blood*, **2014**, 123, 1102-12	2.2	56
167	The transcription factors steroidogenic factor-1 and SOX9 regulate expression of Vanin-1 during mouse testis development. *Journal of Biological Chemistry*, **2005**, 280, 5917-23	5.4	55
166	ALDH1A1 provides a source of meiosis-inducing retinoic acid in mouse fetal ovaries. *Nature Communications*, **2016**, 7, 10845	17.4	53
165	Regulation of male sexual development by Sry and Sox9. *The Journal of Experimental Zoology*, **2001**, 290, 463-74		53
164	Widespread expression of human alpha 1-antitrypsin in transgenic mice revealed by in situ hybridization. *Genes and Development*, **1989**, 3, 16-25	12.6	53
163	Sox18 mutations in the ragged mouse alleles ragged-like and opossum. *Genesis*, **2003**, 36, 1-6	1.9	52
162	Defective survival of proliferating Sertoli cells and androgen receptor function in a mouse model of the ATR-X syndrome. *Human Molecular Genetics*, **2011**, 20, 2213-24	5.6	51
161	Dppa3 is a marker of pluripotency and has a human homologue that is expressed in germ cell tumours. *Cytogenetic and Genome Research*, **2003**, 101, 261-5	1.9	50
160	Sequence and expression of Sox-18 encoding a new HMG-box transcription factor. *Gene*, **1995**, 161, 223-5	3.8	50

159	The molecular genetics of sex determination and sex reversal in mammals. *Seminars in Reproductive Medicine*, **2012**, 30, 351-63	1.4	48
158	Genetic ablation of SOX18 function suppresses tumor lymphangiogenesis and metastasis of melanoma in mice. *Cancer Research*, **2012**, 72, 3105-14	10.1	47
157	Sex Determination in the Mammalian Germline. *Annual Review of Genetics*, **2017**, 51, 265-285	14.5	46
156	Retinoblastoma 1 protein modulates XY germ cell entry into G1/G0 arrest during fetal development in mice. *Biology of Reproduction*, **2010**, 82, 433-43	3.9	46
155	Male sex determination: insights into molecular mechanisms. *Asian Journal of Andrology*, **2012**, 14, 164-71	3.8	46
154	SOX18 directly interacts with MEF2C in endothelial cells. *Biochemical and Biophysical Research Communications*, **2001**, 287, 493-500	3.4	46
153	The HMG box transcription factor gene Sox14 marks a novel subset of ventral interneurons and is regulated by sonic hedgehog. *Developmental Biology*, **2000**, 219, 142-53	3.1	45
152	Genomic screen for genes involved in mammalian craniofacial development. *Genesis*, **2003**, 35, 73-87	1.9	44
151	Intrauterine Exposure to Paracetamol and Aniline Impairs Female Reproductive Development by Reducing Follicle Reserves and Fertility. *Toxicological Sciences*, **2016**, 150, 178-89	4.4	43
150	Male-specific expression of Aldh1a1 in mouse and chicken fetal testes: implications for retinoid balance in gonad development. *Developmental Dynamics*, **2009**, 238, 2073-80	2.9	42
149	Up-regulation of SOX9 in human sex-determining region on the Y chromosome (SRY)-negative XX males. *Clinical Endocrinology*, **2008**, 68, 791-9	3.4	41
148	A multi-exon deletion within WWOX is associated with a 46,XY disorder of sex development. *European Journal of Human Genetics*, **2012**, 20, 348-51	5.3	40
147	The VCAM-1 gene that encodes the vascular cell adhesion molecule is a target of the Sry-related high mobility group box gene, Sox18. *Journal of Biological Chemistry*, **2004**, 279, 5314-22	5.4	40
146	Evaluation of candidate markers for the peritubular myoid cell lineage in the developing mouse testis. *Reproduction*, **2005**, 130, 509-16	3.8	40
145	Sox18 is transiently expressed during angiogenesis in granulation tissue of skin wounds with an identical expression pattern to Flk-1 mRNA. *Laboratory Investigation*, **2001**, 81, 937-43	5.9	40
144	Vascular defects in a mouse model of hypotrichosis-lymphedema-telangiectasia syndrome indicate a role for SOX18 in blood vessel maturation. *Human Molecular Genetics*, **2009**, 18, 2839-50	5.6	39
143	Expression of the transcription factors Otlx2, Barx1 and Sox9 during mouse odontogenesis. *European Journal of Oral Sciences*, **1998**, 106 Suppl 1, 112-6	2.3	39
142	Identification of novel markers of mouse fetal ovary development. *PLoS ONE*, **2012**, 7, e41683	3.7	39

141	Gonadal defects in Cited2-mutant mice indicate a role for SF1 in both testis and ovary differentiation. *International Journal of Developmental Biology*, **2010**, 54, 683-9	1.9	38
140	FOXL2 transcriptionally represses Sf1 expression by antagonizing WT1 during ovarian development in mice. *FASEB Journal*, **2014**, 28, 2020-8	0.9	37
139	The cerebellin 4 precursor gene is a direct target of SRY and SOX9 in mice. *Biology of Reproduction*, **2009**, 80, 1178-88	3.9	37
138	In situ hybridization of whole-mount embryos. *Methods in Molecular Biology*, **2006**, 326, 103-13	1.4	37
137	ROBO2 restricts the nephrogenic field and regulates Wolffian duct-nephrogenic cord separation. *Developmental Biology*, **2015**, 404, 88-102	3.1	35
136	Normal Levels of Sox9 Expression in the Developing Mouse Testis Depend on the TES/TESCO Enhancer, but This Does Not Act Alone. *PLoS Genetics*, **2017**, 13, e1006520	6	35
135	Three-dimensional imaging of Prox1-EGFP transgenic mouse gonads reveals divergent modes of lymphangiogenesis in the testis and ovary. *PLoS ONE*, **2012**, 7, e52620	3.7	35
134	Cloning and functional analysis of the Sry-related HMG box gene, Sox18. *Gene*, **2001**, 262, 239-47	3.8	35
133	FGFR2 mutation in 46,XY sex reversal with craniosynostosis. *Human Molecular Genetics*, **2015**, 24, 6699-7[illegible]	5.6	34
132	SOX30 is required for male fertility in mice. *Scientific Reports*, **2017**, 7, 17619	4.9	34
131	Sex determination: the power of DMRT1. *Trends in Genetics*, **2009**, 25, 479-81	8.5	33
130	Extensive vascularization of developing mouse ovaries revealed by caveolin-1 expression. *Developmental Dynamics*, **2002**, 225, 95-9	2.9	33
129	Pharmacological targeting of the transcription factor SOX18 delays breast cancer in mice. *ELife*, **2017**, 6,	8.9	32
128	Z and W sex chromosomes in the cane toad (Bufo marinus). *Chromosome Research*, **2009**, 17, 1015-24	4.4	31
127	Retinoic Acid Antagonizes Testis Development in Mice. *Cell Reports*, **2018**, 24, 1330-1341	10.6	30
126	SRY protein function in sex determination: thinking outside the box. *Chromosome Research*, **2012**, 20, 153-62	4.4	30
125	Structure-function analysis of mouse Sry reveals dual essential roles of the C-terminal polyglutamine tract in sex determination. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 11768-73	11.5	30
124	Expression of the tudor-related gene Tdrd5 during development of the male germline in mice. *Gene Expression Patterns*, **2004**, 4, 701-5	1.5	30

123	Control of retinoid levels by CYP26B1 is important for lymphatic vascular development in the mouse embryo. *Developmental Biology*, **2014**, 386, 25-33	3.1	29
122	Transcriptional suppression of Sox9 expression in chondrocytes by retinoic acid. *Journal of Cellular Biochemistry*, **2001**, Suppl 36, 71-8	4.7	29
121	Small-Molecule Inhibitors of the SOX18 Transcription Factor. *Cell Chemical Biology*, **2017**, 24, 346-359	8.2	28
120	Purification and Transcriptomic Analysis of Mouse Fetal Leydig Cells Reveals Candidate Genes for Specification of Gonadal Steroidogenic Cells. *Biology of Reproduction*, **2015**, 92, 145	3.9	28
119	Transcription factors ER71/ETV2 and SOX9 participate in a positive feedback loop in fetal and adult mouse testis. *Journal of Biological Chemistry*, **2012**, 287, 23657-66	5.4	28
118	The molecular biology of SRY and its role in sex determination in mammals. *Reproduction, Fertility and Development*, **1995**, 7, 713-22	1.8	28
117	Testis Determination Requires a Specific FGFR2 Isoform to Repress FOXL2. *Endocrinology*, **2017**, 158, 3832-3843	4.8	27
116	The delicate balance between male and female sex determining pathways: potential for disruption of early steps in sexual development. *Journal of Developmental and Physical Disabilities*, **2010**, 33, 252-8		27
115	Uncovering gene regulatory networks during mouse fetal germ cell development. *Biology of Reproduction*, **2011**, 84, 790-800	3.9	27
114	Molecular characterization of three gonad cell lines. *Cytogenetic and Genome Research*, **2003**, 101, 242-9	1.9	27
113	Analysis of the role of Amh and Fra1 in the Sry regulatory pathway. *Molecular Reproduction and Development*, **1996**, 44, 153-8	2.6	27
112	Sex determination: the fishy tale of Dmrt1. *Current Biology*, **2003**, 13, R177-9	6.3	26
111	Involvement of homeobox genes in mammalian sexual development. *Sexual Development*, **2007**, 1, 12-23	1.6	25
110	SOX4 regulates gonad morphogenesis and promotes male germ cell differentiation in mice. *Developmental Biology*, **2017**, 423, 46-56	3.1	24
109	The rhox homeobox gene family shows sexually dimorphic and dynamic expression during mouse embryonic gonad development. *Biology of Reproduction*, **2008**, 79, 468-74	3.9	24
108	Whole exome sequencing combined with linkage analysis identifies a novel 3 bp deletion in NR5A1. *European Journal of Human Genetics*, **2015**, 23, 486-93	5.3	23
107	Cripto: Expression, epigenetic regulation and potential diagnostic use in testicular germ cell tumors. *Molecular Oncology*, **2016**, 10, 526-37	7.9	23
106	Cell cycle analysis of fetal germ cells during sex differentiation in mice. *Biology of the Cell*, **2009**, 101, 587-98	3.5	23

105	Developmental expression of Musashi-1 and Musashi-2 RNA-binding proteins during spermatogenesis: analysis of the deleterious effects of dysregulated expression. *Biology of Reproduction*, **2014**, 90, 92	3.9	22
104	Characterisation of urogenital ridge gene expression in the human embryonal carcinoma cell line NT2/D1. *Sexual Development*, **2007**, 1, 114-26	1.6	22
103	Characterisation of Crim1 expression in the developing mouse urogenital tract reveals a sexually dimorphic gonadal expression pattern. *Developmental Dynamics*, **2000**, 219, 582-7	2.9	22
102	Transcriptomic analysis of mRNA expression and alternative splicing during mouse sex determination. *Molecular and Cellular Endocrinology*, **2018**, 478, 84-96	4.4	21
101	Regulation of germ cell meiosis in the fetal ovary. *International Journal of Developmental Biology*, **2012**, 56, 779-87	1.9	21
100	A male-specific role for p38 mitogen-activated protein kinase in germ cell sex differentiation in mice. *Biology of Reproduction*, **2010**, 83, 1005-14	3.9	21
99	Cloning and expression of candidate sexual development genes in the cane toad (Bufo marinus). *Developmental Dynamics*, **2009**, 238, 2430-41	2.9	20
98	Sox8 is expressed at similar levels in gonads of both sexes during the sex determining period in turtles. *Developmental Dynamics*, **2004**, 231, 387-95	2.9	20
97	Transcriptional modulation of mouse mu-opioid receptor distal promoter activity by Sox18. *Molecular Pharmacology*, **2001**, 59, 1486-96	4.3	20
96	Nodal/Cripto signaling in fetal male germ cell development: implications for testicular germ cell tumors. *International Journal of Developmental Biology*, **2013**, 57, 211-9	1.9	19
95	In situ hybridization of whole-mount embryos. *Methods in Molecular Biology*, **2000**, 123, 279-89	1.4	19
94	RNA binding protein Musashi-1 directly targets Msi2 and Erh during early testis germ cell development and interacts with IPO5 upon translocation to the nucleus. *FASEB Journal*, **2015**, 29, 2759-68	5.9	18
93	Profiles of gonadal gene expression in the developing bovine embryo. *Sexual Development*, **2009**, 3, 273-87	1.8	18
92	Sry, Sox9 and mammalian sex determination. *Exs*, **2001**, 25-56		18
91	The mouse locus harbors a cryptic exon that is essential for male sex determination. *Science*, **2020**, 370, 121-124	33.3	18
90	Comparative proteomic analysis to study molecular events during gonad development in mice. *Genesis*, **2006**, 44, 168-76	1.9	17
89	Origin and possible roles of the SOX8 transcription factor gene during sexual development. *Cytogenetic and Genome Research*, **2003**, 101, 212-218	1.9	17
88	Fine mapping of the neurally expressed gene SOX14 to human 3q23, relative to three congenital diseases. *Human Genetics*, **2000**, 106, 432-9	6.3	17

87	Sertoli cell differentiation and Y-chromosome activity: a developmental study of X-linked transgene activity in sex-reversed X/XSxra mouse embryos. *Developmental Biology*, **1998**, 199, 235-44	3.1	17
86	Primary cilia function regulates the length of the embryonic trunk axis and urogenital field in mice. *Developmental Biology*, **2014**, 395, 342-54	3.1	16
85	Ex vivo magnetofection: a novel strategy for the study of gene function in mouse organogenesis. *Developmental Dynamics*, **2009**, 238, 956-64	2.9	16
84	Sex-specific expression of a novel gene Tmem184a during mouse testis differentiation. *Reproduction*, **2007**, 133, 983-9	3.8	16
83	Of sex and determination: marking 25 years of Randy, the sex-reversed mouse. *Development (Cambridge)*, **2016**, 143, 1633-7	6.6	16
82	New insights into SRY regulation through identification of 5Q conserved sequences. *BMC Molecular Biology*, **2008**, 9, 85	4.5	15
81	Genome-Wide Off-Target Analysis in CRISPR-Cas9 Modified Mice and Their Offspring. *G3: Genes, Genomes, Genetics*, **2019**, 9, 3645-3651	3.2	15
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