

# Peter A Koopman

## List of Publications by Year in descending order

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266  
papers

28,259  
citations

7069

78  
h-index

5965

160  
g-index

280  
all docs

280  
docs citations

280  
times ranked

19280  
citing authors

#	ARTICLE	IF	CITATIONS
1	Male development of chromosomally female mice transgenic for Sry. <i>Nature</i> , 1991, 351, 117-121.	13.7	2,035
2	A gene mapping to the sex-determining region of the mouse Y chromosome is a member of a novel family of embryonically expressed genes. <i>Nature</i> , 1990, 346, 245-250.	13.7	1,552
3	Circular transcripts of the testis-determining gene Sry in adult mouse testis. <i>Cell</i> , 1993, 73, 1019-1030.	13.5	999
4	Retinoid Signaling Determines Germ Cell Fate in Mice. <i>Science</i> , 2006, 312, 596-600.	6.0	888
5	Global Disorders of Sex Development Update since 2006: Perceptions, Approach and Care. <i>Hormone Research in Paediatrics</i> , 2016, 85, 158-180.	0.8	852
6	Phylogeny of the SOX Family of Developmental Transcription Factors Based on Sequence and Structural Indicators. <i>Developmental Biology</i> , 2000, 227, 239-255.	0.9	851
7	SOX9 directly regulates the type-II collagen gene. <i>Nature Genetics</i> , 1997, 16, 174-178.	9.4	847
8	Expression of a candidate sex-determining gene during mouse testis differentiation. <i>Nature</i> , 1990, 348, 450-452.	13.7	801
9	SOX9 Binds DNA, Activates Transcription, and Coexpresses with Type II Collagen during Chondrogenesis in the Mouse. <i>Developmental Biology</i> , 1997, 183, 108-121.	0.9	640
10	The Sry-related gene Sox9 is expressed during chondrogenesis in mouse embryos. <i>Nature Genetics</i> , 1995, 9, 15-20.	9.4	627
11	Sex Determination and Gonadal Development in Mammals. <i>Physiological Reviews</i> , 2007, 87, 1-28.	13.1	548
12	Sox18 induces development of the lymphatic vasculature in mice. <i>Nature</i> , 2008, 456, 643-647.	13.7	483
13	Twenty Pairs of Sox. <i>Developmental Cell</i> , 2002, 3, 167-170.	3.1	472
14	SOX9 Enhances Aggrecan Gene Promoter/Enhancer Activity and Is Up-regulated by Retinoic Acid in a Cartilage-derived Cell Line, TC6. <i>Journal of Biological Chemistry</i> , 2000, 275, 10738-10744.	1.6	426
15	Building the mammalian testis: origins, differentiation, and assembly of the component cell populations. <i>Genes and Development</i> , 2013, 27, 2409-2426.	2.7	326
16	Seeds of concern. <i>Nature</i> , 2004, 432, 48-52.	13.7	319
17	Retinoic acid, meiosis and germ cell fate in mammals. <i>Development (Cambridge)</i> , 2007, 134, 3401-3411.	1.2	302
18	Ovary and Ovulation: Fresh and cryopreserved ovarian tissue samples from donors with lymphoma transmit the cancer to graft recipients. <i>Human Reproduction</i> , 1996, 11, 1668-1673.	0.4	299

#	ARTICLE	IF	CITATIONS
19	<i>Sry</i> : the master switch in mammalian sex determination. <i>Development (Cambridge)</i> , 2010, 137, 3921-3930.	1.2	281
20	Matching SOX: partner proteins and co-factors of the SOX family of transcriptional regulators. <i>Current Opinion in Genetics and Development</i> , 2002, 12, 441-446.	1.5	279
21	Hypoxia induces chondrocyte-specific gene expression in mesenchymal cells in association with transcriptional activation of Sox9. <i>Bone</i> , 2005, 37, 313-322.	1.4	273
22	Genesis and Expansion of Metazoan Transcription Factor Gene Classes. <i>Molecular Biology and Evolution</i> , 2008, 25, 980-996.	3.5	262
23	Sertoli cell differentiation is induced both cell-autonomously and through prostaglandin signaling during mammalian sex determination. <i>Developmental Biology</i> , 2005, 287, 111-124.	0.9	251
24	Disorders of sex development: insights from targeted gene sequencing of a large international patient cohort. <i>Genome Biology</i> , 2016, 17, 243.	3.8	241
25	Spatially dynamic expression of <i>Sry</i> in mouse genital ridges. <i>Developmental Dynamics</i> , 2001, 221, 201-205.	0.8	232
26	FGF9 Suppresses Meiosis and Promotes Male Germ Cell Fate in Mice. <i>Developmental Cell</i> , 2010, 19, 440-449.	3.1	221
27	Etiology of Ovarian Failure in Blepharophimosis Ptosis Epicanthus Inversus Syndrome: FOXL2 Is a Conserved, Early-Acting Gene in Vertebrate Ovarian Development. <i>Endocrinology</i> , 2003, 144, 3237-3243.	1.4	220
28	The UTX gene escapes X inactivation in mice and humans. <i>Human Molecular Genetics</i> , 1998, 7, 737-742.	1.4	218
29	Epigenetic Regulation of Mouse Sex Determination by the Histone Demethylase Jmjd1a. <i>Science</i> , 2013, 341, 1106-1109.	6.0	217
30	Seven new members of the Sox gene family expressed during mouse development. <i>Nucleic Acids Research</i> , 1993, 21, 744-744.	6.5	203
31	SOX9 Regulates Prostaglandin D Synthase Gene Transcription in Vivo to Ensure Testis Development. <i>Journal of Biological Chemistry</i> , 2007, 282, 10553-10560.	1.6	203
32	Mutations in Sox18 underlie cardiovascular and hair follicle defects in ragged mice. <i>Nature Genetics</i> , 2000, 24, 434-437.	9.4	201
33	Zfy gene expression patterns are not compatible with a primary role in mouse sex determination. <i>Nature</i> , 1989, 342, 940-942.	13.7	195
34	A critical time window of <i>Sry</i> action in gonadal sex determination in mice. <i>Development (Cambridge)</i> , 2009, 136, 129-138.	1.2	189
35	The makings of maleness: towards an integrated view of male sexual development. <i>Nature Reviews Genetics</i> , 2006, 7, 620-631.	7.7	187
36	Expression of distinct RNAs from 3' untranslated regions. <i>Nucleic Acids Research</i> , 2011, 39, 2393-2403.	6.5	185

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37	Sox18 and Sox7 play redundant roles in vascular development. <i>Blood</i> , 2008, 111, 2657-2666.	0.6	179
38	Redundant roles of Sox17 and Sox18 in postnatal angiogenesis in mice. <i>Journal of Cell Science</i> , 2006, 119, 3513-3526.	1.2	178
39	An H $\alpha$ YDb epitope is encoded by a novel mouse Y chromosome gene. <i>Nature Genetics</i> , 1996, 14, 474-478.	9.4	176
40	Expression of a linear Sry transcript in the mouse genital ridge. <i>Nature Genetics</i> , 1995, 10, 480-482.	9.4	165
41	Endothelial cell migration directs testis cord formation. <i>Developmental Biology</i> , 2009, 326, 112-120.	0.9	164
42	Germ cells enter meiosis in a rostro-caudal wave during development of the mouse ovary. <i>Molecular Reproduction and Development</i> , 2004, 68, 422-428.	1.0	157
43	Redundant roles of Sox17 and Sox18 in early cardiovascular development of mouse embryos. <i>Biochemical and Biophysical Research Communications</i> , 2007, 360, 539-544.	1.0	155
44	SOX8 Is Expressed during Testis Differentiation in Mice and Synergizes with SF1 to Activate the Amh Promoter in Vitro. <i>Journal of Biological Chemistry</i> , 2003, 278, 28101-28108.	1.6	154
45	Sox10 gain-of-function causes XX sex reversal in mice: implications for human 22q-linked disorders of sex development. <i>Human Molecular Genetics</i> , 2010, 19, 506-516.	1.4	149
46	Delayed Sry and Sox9 expression in developing mouse gonads underlies B6-YDOM sex reversal. <i>Developmental Biology</i> , 2005, 278, 473-481.	0.9	146
47	The Sry-related HMG box-containing gene Sox6 is expressed in the adult testis and developing nervous system of the mouse. <i>Nucleic Acids Research</i> , 1995, 23, 3365-3372.	6.5	143
48	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. <i>Human Molecular Genetics</i> , 2006, 15, 417-431.	1.4	142
49	Origin and diversity of the Sox transcription factor gene family: genome-wide analysis in <i>Fugu rubripes</i> . <i>Gene</i> , 2004, 328, 177-186.	1.0	138
50	SoxF genes: Key players in the development of the cardio-vascular system. <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 445-448.	1.2	137
51	Initiating Meiosis: The Case for Retinoic Acid1. <i>Biology of Reproduction</i> , 2012, 86, 35.	1.2	134
52	Cbx2, a Polycomb Group Gene, Is Required for Sry Gene Expression in Mice. <i>Endocrinology</i> , 2012, 153, 913-924.	1.4	131
53	Loss of Mitogen-Activated Protein Kinase Kinase Kinase 4 (MAP3K4) Reveals a Requirement for MAPK Signalling in Mouse Sex Determination. <i>PLoS Biology</i> , 2009, 7, e1000196.	2.6	130
54	Sox genes and cancer. <i>Cytogenetic and Genome Research</i> , 2004, 105, 442-447.	0.6	129

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55	Expression of the Sox11 gene in mouse embryos suggests roles in neuronal maturation and epithelio-mesenchymal induction. , 1997, 210, 79-86.		125
56	A high-resolution anatomical ontology of the developing murine genitourinary tract. Gene Expression Patterns, 2007, 7, 680-699.	0.3	125
57	Onset of meiosis in the chicken embryo; evidence of a role for retinoic acid. BMC Developmental Biology, 2008, 8, 85.	2.1	125
58	Control of mammalian germ cell entry into meiosis. Molecular and Cellular Endocrinology, 2014, 382, 488-497.	1.6	123
59	Sry requires a CAG repeat domain for male sex determination in <i>Mus musculus</i> . Nature Genetics, 1999, 22, 405-408.	9.4	122
60	Sry and Sox9: mammalian testis-determining genes. Cellular and Molecular Life Sciences, 1999, 55, 839-856.	2.4	116
61	Human sex reversal is caused by duplication or deletion of core enhancers upstream of SOX9. Nature Communications, 2018, 9, 5319.	5.8	116
62	Copy Number Variation in Patients with Disorders of Sex Development Due to 46,XY Gonadal Dysgenesis. PLoS ONE, 2011, 6, e17793.	1.1	116
63	Mouse germ cell development: From specification to sex determination. Molecular and Cellular Endocrinology, 2010, 323, 76-93.	1.6	115
64	Switching on sex: transcriptional regulation of the testis-determining gene <i>Sry</i> . Development (Cambridge), 2014, 141, 2195-2205.	1.2	113
65	Mice Null for Sox18 Are Viable and Display a Mild Coat Defect. Molecular and Cellular Biology, 2000, 20, 9331-9336.	1.1	106
66	Antagonism of the testis- and ovary-determining pathways during ovotestis development in mice. Mechanisms of Development, 2009, 126, 324-336.	1.7	102
67	Sex determination in mammalian germ cells: extrinsic versus intrinsic factors. Reproduction, 2010, 139, 943-958.	1.1	102
68	CXCR4/SDF1 interaction inhibits the primordial to primary follicle transition in the neonatal mouse ovary. Developmental Biology, 2006, 293, 449-460.	0.9	99
69	Endogenous Nodal signaling regulates germ cell potency during mammalian testis development. Development (Cambridge), 2012, 139, 4123-4132.	1.2	99
70	Coordinated expression of scleraxis and Sox9 genes during embryonic development of tendons and cartilage. Journal of Orthopaedic Research, 2002, 20, 827-833.	1.2	98
71	SOX9 Regulates MicroRNA miR-202-5p/3p Expression During Mouse Testis Differentiation1. Biology of Reproduction, 2013, 89, 34.	1.2	97
72	Sry and the hesitant beginnings of male development. Developmental Biology, 2007, 302, 13-24.	0.9	95

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73	Widespread expression of the testis-determining gene SRY in a marsupial. <i>Nature Genetics</i> , 1995, 11, 347-349.	9.4	94
74	Structural and Functional Characterization of the Mouse Sox9 Promoter: Implications for Campomelic Dysplasia. <i>Human Molecular Genetics</i> , 1999, 8, 691-696.	1.4	93
75	Sox8 is a critical regulator of adult Sertoli cell function and male fertility. <i>Developmental Biology</i> , 2008, 316, 359-370.	0.9	92
76	Location of the genes controlling H-Y antigen expression and testis determination on the mouse Y chromosome.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1988, 85, 6442-6445.	3.3	89
77	FOXL2 and BMP2 Act Cooperatively to Regulate Follistatin Gene Expression during Ovarian Development. <i>Endocrinology</i> , 2011, 152, 272-280.	1.4	89
78	Conserved regulatory modules in the Sox9 testis-specific enhancer predict roles for SOX, TCF/LEF, Forkhead, DMRT, and GATA proteins in vertebrate sex determination. <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 472-477.	1.2	84
79	Antagonistic regulation of <i>Cyp26b1</i> by transcription factors SOX9/SF1 and FOXL2 during gonadal development in mice. <i>FASEB Journal</i> , 2011, 25, 3561-3569.	0.2	83
80	<i>Sox7</i> and <i>Sox17</i> are strain-specific modifiers of the lymphangiogenic defects caused by <i>Sox18</i> dysfunction in mice. <i>Development (Cambridge)</i> , 2009, 136, 2385-2391.	1.2	82
81	Three-dimensional visualization of testis cord morphogenesis, a novel tubulogenic mechanism in development. <i>Developmental Dynamics</i> , 2009, 238, 1033-1041.	0.8	82
82	Female-to-male sex reversal in mice caused by transgenic overexpression of <i>Dmrt1</i> . <i>Development (Cambridge)</i> , 2015, 142, 1083-8.	1.2	81
83	The Human SOX11 Gene: Cloning, Chromosomal Assignment and Tissue Expression. <i>Genomics</i> , 1995, 29, 541-545.	1.3	80
84	SOX18 and the Transcriptional Regulation of Blood Vessel Development. <i>Trends in Cardiovascular Medicine</i> , 2001, 11, 318-324.	2.3	78
85	Effect of Disrupted SOX18 Transcription Factor Function on Tumor Growth, Vascularization, and Endothelial Development. <i>Journal of the National Cancer Institute</i> , 2006, 98, 1060-1067.	3.0	78
86	Segmental territories along the cardinal veins generate lymph sacs via a ballooning mechanism during embryonic lymphangiogenesis in mice. <i>Developmental Biology</i> , 2012, 364, 89-98.	0.9	78
87	Trans-activation and DNA-binding properties of the transcription factor, Sox-18. <i>Nucleic Acids Research</i> , 1995, 23, 2626-2628.	6.5	77
88	Cloning and characterisation of the Sry-related transcription factor gene Sox8. <i>Nucleic Acids Research</i> , 2000, 28, 1473-1480.	6.5	75
89	Tumor Lymphangiogenesis as a Potential Therapeutic Target. <i>Journal of Oncology</i> , 2012, 2012, 1-23.	0.6	74
90	Loss of Wnt5a Disrupts Primordial Germ Cell Migration and Male Sexual Development in Mice1. <i>Biology of Reproduction</i> , 2012, 86, 1-12.	1.2	73

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91	The Transcription Factors Steroidogenic Factor-1 and SOX9 Regulate Expression of Vanin-1 during Mouse Testis Development. <i>Journal of Biological Chemistry</i> , 2005, 280, 5917-5923.	1.6	72
92	Sex determination: a tale of two Sox genes. <i>Trends in Genetics</i> , 2005, 21, 367-370.	2.9	68
93	ALDH1A1 provides a source of meiosis-inducing retinoic acid in mouse fetal ovaries. <i>Nature Communications</i> , 2016, 7, 10845.	5.8	68
94	Sex Determination in the Mammalian Germline. <i>Annual Review of Genetics</i> , 2017, 51, 265-285.	3.2	68
95	The ins and outs of transcriptional control: nucleocytoplasmic shuttling in development and disease. <i>Trends in Genetics</i> , 2004, 20, 4-8.	2.9	66
96	Dexamethasone enhances SOX9 expression in chondrocytes. <i>Journal of Endocrinology</i> , 2001, 169, 573-579.	1.2	65
97	VEGFD regulates blood vascular development by modulating SOX18 activity. <i>Blood</i> , 2014, 123, 1102-1112.	0.6	65
98	A subtractive gene expression screen suggests a role for vanin-1 in testis development in mice. <i>Genesis</i> , 2000, 27, 124-135.	0.8	64
99	Identification of Suitable Normalizing Genes for Quantitative Real-Time RT-PCR Analysis of Gene Expression in Fetal Mouse Gonads. <i>Sexual Development</i> , 2009, 3, 194-204.	1.1	63
100	Widespread expression of human alpha 1-antitrypsin in transgenic mice revealed by in situ hybridization. <i>Genes and Development</i> , 1989, 3, 16-25.	2.7	62
101	A cell-autonomous role for WT1 in regulating Sry in vivo. <i>Human Molecular Genetics</i> , 2009, 18, 3429-3438.	1.4	62
102	Wnt Signaling in Ovarian Development Inhibits Sf1 Activation of Sox9 via the Tesco Enhancer. <i>Endocrinology</i> , 2012, 153, 901-912.	1.4	62
103	A factor produced by feeder cells which inhibits embryonal carcinoma cell differentiation *1 Characterization and partial purification. <i>Experimental Cell Research</i> , 1984, 154, 233-242.	1.2	61
104	Regulation of male sexual development by Sry and Sox9. <i>The Journal of Experimental Zoology</i> , 2001, 290, 463-474.	1.4	61
105	Sox18 mutations in the ragged mouse allele ragged-like and opossum. <i>Genesis</i> , 2003, 36, 1-6.	0.8	59
106	Defective survival of proliferating Sertoli cells and androgen receptor function in a mouse model of the ATR-X syndrome. <i>Human Molecular Genetics</i> , 2011, 20, 2213-2224.	1.4	59
107	Male sex determination: insights into molecular mechanisms. <i>Asian Journal of Andrology</i> , 2012, 14, 164-171.	0.8	59
108	Intrauterine Exposure to Paracetamol and Aniline Impairs Female Reproductive Development by Reducing Follicle Reserves and Fertility. <i>Toxicological Sciences</i> , 2016, 150, 178-189.	1.4	59

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109	SOX18 Directly Interacts with MEF2C in Endothelial Cells. <i>Biochemical and Biophysical Research Communications</i> , 2001, 287, 493-500.	1.0	56
110	Genetic Ablation of SOX18 Function Suppresses Tumor Lymphangiogenesis and Metastasis of Melanoma in Mice. <i>Cancer Research</i> , 2012, 72, 3105-3114.	0.4	56
111	<i>Dppa3</i> is a marker of pluripotency and has a human homologue that is expressed in germ cell tumours. <i>Cytogenetic and Genome Research</i> , 2003, 101, 261-265.	0.6	55
112	Retinoblastoma 1 Protein Modulates XY Germ Cell Entry into G1/G0 Arrest During Fetal Development in Mice. <i>Biology of Reproduction</i> , 2010, 82, 433-443.	1.2	55
113	The Molecular Genetics of Sex Determination and Sex Reversal in Mammals. <i>Seminars in Reproductive Medicine</i> , 2012, 30, 351-363.	0.5	55
114	Sequence and expression of Sox-18 encoding a new HMG-box transcription factor. <i>Gene</i> , 1995, 161, 223-225.	1.0	54
115	Normal Levels of Sox9 Expression in the Developing Mouse Testis Depend on the TES/TESCO Enhancer, but This Does Not Act Alone. <i>PLoS Genetics</i> , 2017, 13, e1006520.	1.5	52
116	The HMG Box Transcription Factor Gene Sox14 Marks a Novel Subset of Ventral Interneurons and Is Regulated by Sonic Hedgehog. <i>Developmental Biology</i> , 2000, 219, 142-153.	0.9	51
117	Purification and Transcriptomic Analysis of Mouse Fetal Leydig Cells Reveals Candidate Genes for Specification of Gonadal Steroidogenic Cells. <i>Biology of Reproduction</i> , 2015, 92, 145.	1.2	51
118	SOX30 is required for male fertility in mice. <i>Scientific Reports</i> , 2017, 7, 17619.	1.6	50
119	Pharmacological targeting of the transcription factor SOX18 delays breast cancer in mice. <i>ELife</i> , 2017, 6, .	2.8	50
120	The VCAM-1 Gene That Encodes the Vascular Cell Adhesion Molecule Is a Target of the Sry-related High Mobility Group Box Gene, Sox18. <i>Journal of Biological Chemistry</i> , 2004, 279, 5314-5322.	1.6	49
121	Sox18 Is Transiently Expressed during Angiogenesis in Granulation Tissue of Skin Wounds with an Identical Expression Pattern to Flk-1 mRNA. <i>Laboratory Investigation</i> , 2001, 81, 937-943.	1.7	48
122	Evaluation of candidate markers for the peritubular myoid cell lineage in the developing mouse testis. <i>Reproduction</i> , 2005, 130, 509-516.	1.1	48
123	Vascular defects in a mouse model of hypotrichosis-lymphedema-telangiectasia syndrome indicate a role for SOX18 in blood vessel maturation. <i>Human Molecular Genetics</i> , 2009, 18, 2839-2850.	1.4	48
124	A multi-exon deletion within WWOX is associated with a 46,XY disorder of sex development. <i>European Journal of Human Genetics</i> , 2012, 20, 348-351.	1.4	48
125	SRY protein function in sex determination: thinking outside the box. <i>Chromosome Research</i> , 2012, 20, 153-162.	1.0	48
126	Genomic screen for genes involved in mammalian craniofacial development. <i>Genesis</i> , 2003, 35, 73-87.	0.8	47



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127	Up-regulation of SOX9 in human sex-determining region on the Y chromosome (SRY)-negative XX males. <i>Clinical Endocrinology</i> , 2008, 68, 791-799.	1.2	46
128	Gonadal defects in Cited2 -mutant mice indicate a role for SF1 in both testis and ovary differentiation. <i>International Journal of Developmental Biology</i> , 2010, 54, 683-689.	0.3	46
129	Three-Dimensional Imaging of Prox1-EGFP Transgenic Mouse Gonads Reveals Divergent Modes of Lymphangiogenesis in the Testis and Ovary. <i>PLoS ONE</i> , 2012, 7, e52620.	1.1	46
130	Retinoic Acid Antagonizes Testis Development in Mice. <i>Cell Reports</i> , 2018, 24, 1330-1341.	2.9	46
131	<i>In Situ</i> Hybridization of Whole-Mount Embryos. , 2006, 326, 103-114.		45
132	The Cerebellin 4 Precursor Gene Is a Direct Target of SRY and SOX9 in Mice1. <i>Biology of Reproduction</i> , 2009, 80, 1178-1188.	1.2	44
133	FOXL2 transcriptionally represses <i>Sf1</i> expression by antagonizing WT1 during ovarian development in mice. <i>FASEB Journal</i> , 2014, 28, 2020-2028.	0.2	44
134	<i>FGFR2</i> mutation in 46,XY sex reversal with craniosynostosis. <i>Human Molecular Genetics</i> , 2015, 24, 6699-6710.	1.4	44
135	Male-specific expression of <i>Aldh1a1</i> in mouse and chicken fetal testes: Implications for retinoid balance in gonad development. <i>Developmental Dynamics</i> , 2009, 238, 2073-2080.	0.8	43
136	Sex determination: the power of DMRT1. <i>Trends in Genetics</i> , 2009, 25, 479-481.	2.9	42
137	Small-Molecule Inhibitors of the SOX18 Transcription Factor. <i>Cell Chemical Biology</i> , 2017, 24, 346-359.	2.5	42
138	Identification of Novel Markers of Mouse Fetal Ovary Development. <i>PLoS ONE</i> , 2012, 7, e41683.	1.1	42
139	Control of retinoid levels by CYP26B1 is important for lymphatic vascular development in the mouse embryo. <i>Developmental Biology</i> , 2014, 386, 25-33.	0.9	41
140	Expression of the transcription factors <i>Otlx2</i> , <i>Barx1</i> and <i>Sox9</i> during mouse odontogenesis. <i>European Journal of Oral Sciences</i> , 1998, 106, 112-116.	0.7	40
141	Testis Determination Requires a Specific FGFR2 Isoform to Repress FOXL2. <i>Endocrinology</i> , 2017, 158, 3832-3843.	1.4	40
142	SOX4 regulates gonad morphogenesis and promotes male germ cell differentiation in mice. <i>Developmental Biology</i> , 2017, 423, 46-56.	0.9	39
143	Transcriptomic analysis of mRNA expression and alternative splicing during mouse sex determination. <i>Molecular and Cellular Endocrinology</i> , 2018, 478, 84-96.	1.6	39
144	The mouse <i>Sry</i> locus harbors a cryptic exon that is essential for male sex determination. <i>Science</i> , 2020, 370, 121-124.	6.0	38

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145	Cloning and functional analysis of the Sry -related HMG box gene, Sox18. <i>Gene</i> , 2001, 262, 239-247.	1.0	37
146	Extensive vascularization of developing mouse ovaries revealed by caveolin-1 expression. <i>Developmental Dynamics</i> , 2002, 225, 95-99.	0.8	37
147	ROBO2 restricts the nephrogenic field and regulates Wolffian ductâ€“nephrogenic cord separation. <i>Developmental Biology</i> , 2015, 404, 88-102.	0.9	37
148	Structureâ€“function analysis of mouse Sry reveals dual essential roles of the C-terminal polyglutamine tract in sex determination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 11768-11773.	3.3	36
149	Z and W sex chromosomes in the cane toad ( <i>Bufo marinus</i> ). <i>Chromosome Research</i> , 2009, 17, 1015-1024.	1.0	35
150	Expression of the tudor-related gene Tdrd5 during development of the male germline in mice. <i>Gene Expression Patterns</i> , 2004, 4, 701-705.	0.3	34
151	Transcriptional suppression of Sox9 expression in chondrocytes by retinoic acid. <i>Journal of Cellular Biochemistry</i> , 2001, 81, 71-78.	1.2	33
152	The delicate balance between male and female sex determining pathways: potential for disruption of early steps in sexual development. <i>Journal of Developmental and Physical Disabilities</i> , 2010, 33, 252-258.	3.6	32
153	Transcription Factors ER71/ETV2 and SOX9 Participate in a Positive Feedback Loop in Fetal and Adult Mouse Testis. <i>Journal of Biological Chemistry</i> , 2012, 287, 23657-23666.	1.6	32
154	The molecular biology of SRY and its role in sex determination in mammals. <i>Reproduction, Fertility and Development</i> , 1995, 7, 713.	0.1	31
155	Molecular characterization of three gonad cell lines. <i>Cytogenetic and Genome Research</i> , 2003, 101, 242-249.	0.6	31
156	Sex Determination: The Fishy Tale of Dmrt1. <i>Current Biology</i> , 2003, 13, R177-R179.	1.8	30
157	The RhoX Homeobox Gene Family Shows Sexually Dimorphic and Dynamic Expression During Mouse Embryonic Gonad Development1. <i>Biology of Reproduction</i> , 2008, 79, 468-474.	1.2	30
158	Uncovering Gene Regulatory Networks During Mouse Fetal Germ Cell Development. <i>Biology of Reproduction</i> , 2011, 84, 790-800.	1.2	29
159	Regulation of germ cell meiosis in the fetal ovary. <i>International Journal of Developmental Biology</i> , 2012, 56, 779-787.	0.3	29
160	Developmental Expression of Musashi-1 and Musashi-2 RNA-Binding Proteins During Spermatogenesis: Analysis of the Deleterious Effects of Dysregulated Expression1. <i>Biology of Reproduction</i> , 2014, 90, 92.	1.2	29
161	Cell cycle analysis of fetal germ cells during sex differentiation in mice. <i>Biology of the Cell</i> , 2009, 101, 587-598.	0.7	28
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