Matti Poutanen

List of Publications by Year in descending order

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		44069	66911
228	8,790	48	78
papers	citations	h-index	g-index

235	235	235	10048
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Normal Prenatal but Arrested Postnatal Sexual Development of Luteinizing Hormone Receptor Knockout (LuRKO) Mice. Molecular Endocrinology, 2001, 15, 172-183.	3.7	476
2	Osteoblast-derived WNT16 represses osteoclastogenesis and prevents cortical bone fragility fractures. Nature Medicine, 2014, 20, 1279-1288.	30.7	303
3	Male pheromoneâ€“stimulated neurogenesis in the adult female brain: possible role in mating behavior.. Nature Neuroscience, 2007, 10, 1003-1011.	14.8	284
4	Measurement of a Comprehensive Sex Steroid Profile in Rodent Serum by High-Sensitive Gas Chromatography-Tandem Mass Spectrometry. Endocrinology, 2015, 156, 2492-2502.	2.8	246
5	The Transcriptional Corepressor RIP140 Regulates Oxidative Metabolism in Skeletal Muscle. Cell Metabolism, 2007, 6, 236-245.	16.2	174
6	Altered Structure and Function of Reproductive Organs in Transgenic Male Mice Overexpressing Human Aromatase*. Endocrinology, 2001, 142, 2435-2442.	2.8	149
7	Endometrial and Endometriotic Concentrations of Estrone and Estradiol Are Determined by Local Metabolism Rather than Circulating Levels. Journal of Clinical Endocrinology and Metabolism, 2012, 97, 4228-4235.	3.6	145
8	Angiogenic activity of human chorionic gonadotropin through LH receptor activation on endothelial and epithelial cells of the endometrium. FASEB Journal, 2006, 20, 2630-2632.	0.5	144
9	The Androgen and Progesterone Receptors Regulate Distinct Gene Networks and Cellular Functions in Decidualizing Endometrium. Endocrinology, 2008, 149, 4462-4474.	2.8	140
10	Elevated luteinizing hormone induces expression of its receptor and promotes steroidogenesis in the adrenal cortex. Journal of Clinical Investigation, 2000, 105, 633-641.	8.2	140
11	The low gonadotropin-independent constitutive production of testicular testosterone is sufficient to maintain spermatogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 13692-13697.	7.1	119
12	The gut microbiota is a major regulator of androgen metabolism in intestinal contents. American Journal of Physiology - Endocrinology and Metabolism, 2019, 317, E1182-E1192.	3.5	118
13	Molecular Characterization of Postnatal Development of Testicular Steroidogenesis in Luteinizing Hormone Receptor Knockout Mice. Endocrinology, 2004, 145, 1453-1463.	2.8	116
14	Stress-activatedmiR-21/miR-21*in hepatocytes promotes lipid and glucose metabolic disorders associated with high-fat diet consumption. Gut, 2016, 65, 1871-1881.	12.1	114
15	Reproductive Disturbances, Pituitary Lactotrope Adenomas, and Mammary Gland Tumors in Transgenic Female Mice Producing High Levels of Human Chorionic Gonadotropin. Endocrinology, 2002, 143, 4084-4095.	2.8	109
16	Fast and sensitive liquid chromatographyâ€“mass spectrometry assay for seven androgenic and progestagenic steroids in human serum. Journal of Steroid Biochemistry and Molecular Biology, 2011, 127, 396-404.	2.5	105
17	Testosterone Replacement Therapy Induces Spermatogenesis and Partially Restores Fertility in Luteinizing Hormone Receptor Knockout Mice. Endocrinology, 2005, 146, 596-606.	2.8	104
18	Role of 17Î²-hydroxysteroid dehydrogenase type 1 in endocrine and intracrine estradiol biosynthesis. Journal of Steroid Biochemistry and Molecular Biology, 1995, 55, 525-532.	2.5	97

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19	Estrogen biosynthesis and signaling in endometriosis. Molecular and Cellular Endocrinology, 2012, 358, 146-154.	3.2	88
20	The diversity of sex steroid action: novel functions of hydroxysteroid (17Î²) dehydrogenases as revealed by genetically modified mouse models. Journal of Endocrinology, 2012, 212, 27-40.	2.6	83
21	Down-Regulation of the Histone Methyltransferase EZH2 Contributes to the Epigenetic Programming of Decidualizing Human Endometrial Stromal Cells. Molecular Endocrinology, 2011, 25, 1892-1903.	3.7	82
22	Elevated Steroidogenesis, Defective Reproductive Organs, and Infertility in Transgenic Male Mice Overexpressing Human Chorionic Gonadotropin. Endocrinology, 2003, 144, 4980-4990.	2.8	75
23	Sperm Volume Regulation: Maturational Changes in Fertile and Infertile Transgenic Mice and Association with Kinematics and Tail Angulation1. Biology of Reproduction, 2002, 67, 269-275.	2.7	74
24	Mouse Cysteine-Rich Secretory Protein 4 (CRISP4): A Member of the Crisp Family Exclusively Expressed in the Epididymis in an Androgen-Dependent Manner1. Biology of Reproduction, 2005, 72, 1268-1274.	2.7	74
25	Inactivation of estrogen receptor Î± in boneâ€forming cells induces bone loss in female mice. FASEB Journal, 2013, 27, 478-488.	0.5	74
26	A Novel Transgenic Model to Characterize the Specific Effects of Follicle-Stimulating Hormone on Gonadal Physiology in the Absence of Luteinizing Hormone Actions*. Endocrinology, 2001, 142, 2213-2220.	2.8	73
27	Increased Endogenous Estrogen Synthesis Leads to the Sequential Induction of Prostatic Inflammation (Prostatitis) and Prostatic Pre-Malignancy. American Journal of Pathology, 2009, 175, 1187-1199.	3.8	72
28	Dicer1 Ablation in the Mouse Epididymis Causes Dedifferentiation of the Epithelium and Imbalance in Sex Steroid Signaling. PLoS ONE, 2012, 7, e38457.	2.5	71
29	Transgenic Mice Expressing P450 Aromatase as a Model for Male Infertility Associated with Chronic Inflammation in the Testis. Endocrinology, 2006, 147, 1271-1277.	2.8	69
30	Targeted Inactivation of the Androgen Receptor Gene in Murine Proximal Epididymis Causes Epithelial Hypotrophy and Obstructive Azoospermia. Endocrinology, 2011, 152, 689-696.	2.8	69
31	Knockout of Luteinizing Hormone Receptor Abolishes the Effects of Follicle-Stimulating Hormone on Preovulatory Maturation and Ovulation of Mouse Graafian Follicles. Molecular Endocrinology, 2005, 19, 2591-2602.	3.7	68
32	A Common Polymorphism in the Human Relaxin-Like Factor (RLF) Gene: No Relationship with Cryptorchidism. Pediatric Research, 2000, 47, 538-541.	2.3	66
33	Increased Exposure to Estrogens Disturbs Maturation, Steroidogenesis, and Cholesterol Homeostasis via Estrogen Receptor Î± in Adult Mouse Leydig Cells. Endocrinology, 2009, 150, 2865-2872.	2.8	64
34	Characterization of 17Î²-hydroxysteroid dehydrogenase isoenzyme expression in benign and malignant human prostate. , 1996, 66, 37-41.		61
35	Origin of Substrate Specificity of Human and Rat 17Î²-Hydroxysteroid Dehydrogenase Type 1, Using Chimeric Enzymes and Site-Directed Substitutions*. Endocrinology, 1997, 138, 3532-3539.	2.8	61
36	Discovery in Silico and Characterization in Vitro of Novel Genes Exclusively Expressed in the Mouse Epididymis. Molecular Endocrinology, 2003, 17, 2138-2151.	3.7	59

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37	17Î²â€hydroxysteroid dehydrogenases in normal human mammary epithelial cells and breast tissue. Breast Cancer Research and Treatment, 1999, 57, 175-182.	2.5	58
38	Expression of 17Î²-Hydroxysteroid Dehydrogenase Type 1 and Type 2, P450 Aromatase, and 20Î±-Hydroxysteroid Dehydrogenase Enzymes in Immature, Mature, and Pregnant Rats*. Endocrinology, 1997, 138, 2886-2892.	2.8	57
39	Human familial and sporadic breast cancer: analysis of the coding regions of the 17?-hydroxysteroid dehydrogenase 2 gene (EDH17B2) using a single-strand conformation polymorphism assay. Human Genetics, 1994, 93, 319-324.	3.8	56
40	Human Hydroxysteroid (17-Î²) Dehydrogenase 1 Expression Enhances Estrogen Sensitivity of MCF-7 Breast Cancer Cell Xenografts. Endocrinology, 2006, 147, 5333-5339.	2.8	56
41	Androgen deprivation upregulates SPINK1 expression and potentiates cellular plasticity in prostate cancer. Nature Communications, 2020, 11, 384.	12.8	56
42	Intra-Tissue Steroid Profiling Indicates Differential Progesterone and Testosterone Metabolism in the Endometrium and Endometriosis Lesions. Journal of Clinical Endocrinology and Metabolism, 2014, 99, E2188-E2197.	3.6	55
43	Analysis by LCâ€“MS/MS of endogenous steroids from human serum, plasma, endometrium and endometriotic tissue. Journal of Pharmaceutical and Biomedical Analysis, 2018, 152, 165-172.	2.8	55
44	Metabolic regulation of female puberty via hypothalamic AMPKâ€“kisspeptin signaling. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10758-E10767.	7.1	55
45	Mouse models of infertility due to swollen spermatozoa. Molecular and Cellular Endocrinology, 2004, 216, 55-63.	3.2	54
46	Optimization of Statistical Methods Impact on Quantitative Proteomics Data. Journal of Proteome Research, 2015, 14, 4118-4126.	3.7	54
47	Characterization of Structural and Functional Properties of Human 17Î²-Hydroxysteroid Dehydrogenase Type 1 Using Recombinant Enzymes and Site-Directed Mutagenesis. Molecular Endocrinology, 1997, 11, 77-86.	3.7	53
48	Epididymal protein Rnase10 is required for postâ€testicular sperm maturation and male fertility. FASEB Journal, 2012, 26, 4198-4209.	0.5	53
49	Castration Induces Up-Regulation of Intratumoral Androgen Biosynthesis and Androgen Receptor Expression in an Orthotopic VCaP Human Prostate Cancer Xenograft Model. American Journal of Pathology, 2014, 184, 2163-2173.	3.8	53
50	Hydroxysteroid (17Î²) Dehydrogenase 12 Is Essential for Mouse Organogenesis and Embryonic Survival. Endocrinology, 2010, 151, 1893-1901.	2.8	52
51	Simultaneous analysis by LCâ€“MS/MS of 22 ketosteroids with hydroxylamine derivatization and underivatized estradiol from human plasma, serum and prostate tissue. Journal of Pharmaceutical and Biomedical Analysis, 2019, 164, 642-652.	2.8	52
52	Epididymal Dysfunction Initiated by the Expression of Simian Virus 40 T-Antigen Leads to Angulated Sperm Flagella and Infertility in Transgenic Mice. Molecular Endocrinology, 2002, 16, 2603-2617.	3.7	50
53	Extragonadal LH/hCG actionâ€”Not yet time to rewrite textbooks. Molecular and Cellular Endocrinology, 2007, 269, 9-16.	3.2	50
54	The bone-sparing effects of estrogen and WNT16 are independent of each other. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14972-14977.	7.1	50

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55	A fluorescent Tie1 reporter allows monitoring of vascular development and endothelial cell isolation from transgenic mouse embryos. FASEB Journal, 2002, 16, 1764-1774.	0.5	49
56	Hydroxysteroid (17Î²) dehydrogenase 13 deficiency triggers hepatic steatosis and inflammation in mice. FASEB Journal, 2018, 32, 3434-3447.	0.5	49
57	Human Testicular Peritubular Cells Host Putative Stem Leydig Cells With Steroidogenic Capacity. Journal of Clinical Endocrinology and Metabolism, 2014, 99, E1227-E1235.	3.6	48
58	Altered Structure and Function of Reproductive Organs in Transgenic Male Mice Overexpressing Human Aromatase. Endocrinology, 2001, 142, 2435-2442.	2.8	48
59	Autocrine Action of IGF2 Regulates Adult Î²-Cell Mass and Function. Diabetes, 2015, 64, 4148-4157.	0.6	46
60	Fetal but not adult Leydig cells are susceptible to adenoma formation in response to persistently high hCG level: a study on hCG overexpressing transgenic mice. Oncogene, 2005, 24, 7301-7309.	5.9	45
61	Imbalanced lipid homeostasis in the conditional Dicer1 knockout mouse epididymis causes instability of the sperm membrane. FASEB Journal, 2015, 29, 433-442.	0.5	45
62	Decidualization of Human Endometrial Stromal Fibroblasts is a Multiphasic Process Involving Distinct Transcriptional Programs. Reproductive Sciences, 2019, 26, 323-336.	2.5	45
63	Female Mice Expressing Constitutively Active Mutants of FSH Receptor Present with a Phenotype of Premature Follicle Depletion and Estrogen Excess. Endocrinology, 2010, 151, 1872-1883.	2.8	44
64	The transcriptional co-factor RIP140 regulates mammary gland development by promoting the generation of key mitogenic signals. Development (Cambridge), 2013, 140, 1079-1089.	2.5	44
65	LCâ€MS analysis of estradiol in human serum and endometrial tissue: Comparison of electrospray ionization, atmospheric pressure chemical ionization and atmospheric pressure photoionization. Journal of Mass Spectrometry, 2013, 48, 1050-1058.	1.6	43
66	The Hydroxysteroid (17Î²) Dehydrogenase Family Gene HSD17B12 Is Involved in the Prostaglandin Synthesis Pathway, the Ovarian Function, and Regulation of Fertility. Endocrinology, 2016, 157, 3719-3730.	2.8	43
67	Female mice carrying a ubiquitin promoter-Insl3 transgene have descended ovaries and inguinal hernias but normal fertility. Molecular and Cellular Endocrinology, 2003, 206, 159-166.	3.2	41
68	Multiple Structural and Functional Abnormalities in the P450 Aromatase Expressing Transgenic Male Mice Are Ameliorated by a P450 Aromatase Inhibitor. American Journal of Pathology, 2004, 164, 1039-1048.	3.8	41
69	Novel epididymal protease inhibitors with Kazal or WAP family domain. Biochemical and Biophysical Research Communications, 2006, 349, 245-254.	2.1	41
70	Elevated Aromatase Expression in Osteoblasts Leads to Increased Bone Mass Without Systemic Adverse Effects. Journal of Bone and Mineral Research, 2009, 24, 1263-1270.	2.8	41
71	Inactivation of Palb2 gene leads to mesoderm differentiation defect and early embryonic lethality in mice. Human Molecular Genetics, 2010, 19, 3021-3029.	2.9	41
72	Hydroxysteroid (17Î²)-dehydrogenase 1â€“deficient female mice present with normal puberty onset but are severely subfertile due to a defect in luteinization and progesterone production. FASEB Journal, 2015, 29, 3806-3816.	0.5	40

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73	Mammary Gland Development in Transgenic Male Mice Expressing Human P450 Aromatase. Endocrinology, 2002, 143, 4074-4083.	2.8	39
74	High levels of luteinizing hormone analog stimulate gonadal and adrenal tumorigenesis in mice transgenic for the mouse inhibin-Î±-subunit promoter/Simian virus 40 T-antigen fusion gene. Oncogene, 2003, 22, 3269-3278.	5.9	39
75	Increased adipose tissue aromatase activity improves insulin sensitivity and reduces adipose tissue inflammation in male mice. American Journal of Physiology - Endocrinology and Metabolism, 2017, 313, E450-E462.	3.5	39
76	Elevated expression of the metabolic regulator receptor-interacting protein 140 results in cardiac hypertrophy and impaired cardiac function. Cardiovascular Research, 2010, 86, 443-451.	3.8	38
77	Hydroxysteroid (17Î²) Dehydrogenase 7 Activity Is Essential for Fetal de Novo Cholesterol Synthesis and for Neuroectodermal Survival and Cardiovascular Differentiation in Early Mouse Embryos. Endocrinology, 2010, 151, 1884-1892.	2.8	38
78	Transgenic and knockout mouse models for the study of luteinizing hormone and luteinizing hormone receptor function. Molecular and Cellular Endocrinology, 2002, 187, 49-56.	3.2	37
79	Differential Endocrine Regulation of Genes Enriched in Initial Segment and Distal Caput of the Mouse Epididymis as Revealed by Genome-Wide Expression Profiling1. Biology of Reproduction, 2006, 75, 240-251.	2.7	37
80	Novel Hydroxysteroid (17Î²) Dehydrogenase 1 Inhibitors Reverse Estrogen-Induced Endometrial Hyperplasia in Transgenic Mice. American Journal of Pathology, 2010, 176, 1443-1451.	3.8	37
81	Loss of Cysteine-Rich Secretory Protein 4 (Crisp4) Leads to Deficiency in Sperm-Zona Pellucida Interaction in Mice1. Biology of Reproduction, 2012, 86, 1-8.	2.7	37
82	Gonadal hormone-dependent vs. -independent effects of kisspeptin signaling in the control of body weight and metabolic homeostasis. Metabolism: Clinical and Experimental, 2019, 98, 84-94.	3.4	37
83	Fertility in luteinizing hormone receptor-knockout mice after wild-type ovary transplantation demonstrates redundancy of extragonadal luteinizing hormone action. Journal of Clinical Investigation, 2005, 115, 1862-1868.	8.2	37
84	Optimized design and analysis of preclinical intervention studies in vivo. Scientific Reports, 2016, 6, 30723.	3.3	36
85	Multiple sites of tumorigenesis in transgenic mice overproducing hCG. Molecular and Cellular Endocrinology, 2005, 234, 117-126.	3.2	35
86	Genetically modified mouse models in studies of luteinising hormone action. Molecular and Cellular Endocrinology, 2006, 252, 126-135.	3.2	35
87	Improved Statistical Modeling of Tumor Growth and Treatment Effect in Preclinical Animal Studies with Highly Heterogeneous Responses In Vivo. Clinical Cancer Research, 2012, 18, 4385-4396.	7.0	35
88	A Point Mutation in the Putative TATA Box, Detected in Nondiseased Individuals and Patients with Hereditary Breast Cancer, Decreases Promoter Activity of the 17Î²-Hydroxysteroid Dehydrogenase Type 1 Gene 2 (EDH17B2) in Vitro. Genomics, 1994, 23, 250-252.	2.9	34
89	A Single Dose of Enterolactone Activates Estrogen Signaling and Regulates Expression of Circadian Clock Genes in Mice. Journal of Nutrition, 2011, 141, 1583-1589.	2.9	33
90	Interactions between inflammatory signals and the progesterone receptor in regulating gene expression in pregnant human uterine myocytes. Journal of Cellular and Molecular Medicine, 2012, 16, 2487-2503.	3.6	33

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91	A relational database to identify differentially expressed genes in the endometrium and endometriosis lesions. Scientific Data, 2020, 7, 284.	5.3	33
92	Bmx Tyrosine Kinase Transgene Induces Skin Hyperplasia, Inflammatory Angiogenesis, and Accelerated Wound Healing. Molecular Biology of the Cell, 2004, 15, 4226-4233.	2.1	32
93	FELASA guidelines for the refinement of methods for genotyping genetically-modified rodents. Laboratory Animals, 2013, 47, 134-145.	1.0	32
94	Inducible Wnt16 inactivation: WNT16 regulates cortical bone thickness in adult mice. Journal of Endocrinology, 2018, 237, 113-122.	2.6	32
95	Age- and Sex-Specific Promoter Function of a 2-Kilobase 5â€²-Flanking Sequence of the Murine Luteinizing Hormone Receptor Gene in Transgenic Mice1. Endocrinology, 1999, 140, 5322-5329.	2.8	31
96	Phenotype characteristics of transgenic male mice expressing human aromatase under ubiquitin C promoter. Journal of Steroid Biochemistry and Molecular Biology, 2003, 86, 469-476.	2.5	31
97	Overexpression of Bcl-w in the Testis Disrupts Spermatogenesis: Revelation of a Role of BCL-W in Male Germ Cell Cycle Control. Molecular Endocrinology, 2003, 17, 1868-1879.	3.7	31
98	ERÎ²1 Represses FOXM1 Expression through Targeting ERÎ± to Control Cell Proliferation in Breast Cancer. American Journal of Pathology, 2011, 179, 1148-1156.	3.8	31
99	Personalized Drug Sensitivity Screening for Bladder Cancer Using Conditionally Reprogrammed Patient-derived Cells. European Urology, 2019, 76, 430-434.	1.9	31
100	Immortalization of Epididymal Epithelium in Transgenic Mice Expressing Simian Virus 40 T Antigen: Characterization of Cell Lines and Regulation of the Polyoma Enhancer Activator 3. Endocrinology, 2004, 145, 437-446.	2.8	30
101	Editing activity for eliminating mischarged tRNAs is essential in mammalian mitochondria. Nucleic Acids Research, 2018, 46, 849-860.	14.5	30
102	NLRP3 in somatic non-immune cells of rodent and primate testes. Reproduction, 2018, 156, 231-238.	2.6	29
103	Immortalization by large T-antigen of the adult epididymal duct epithelium. Molecular and Cellular Endocrinology, 2004, 216, 83-94.	3.2	28
104	Discovery and characterization of new epididymis-specific beta-defensins in mice. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2005, 1730, 22-30.	2.4	28
105	Human Chorionic Gonadotropin (hCG) Up-Regulates wnt5b and wnt7b in the Mammary Gland, and hCGÎ² Transgenic Female Mice Present with Mammary Gland Tumors Exhibiting Characteristics of the Wnt/Î²-Catenin Pathway Activation. Endocrinology, 2007, 148, 3694-3703.	2.8	28
106	Stromal Activation Associated with Development of Prostate Cancer in Prostate-Targeted Fibroblast Growth Factor 8b Transgenic Mice. Neoplasia, 2010, 12, 915-IN19.	5.3	28
107	Inactivation of the androgen receptor in bone-forming cells leads to trabecular bone loss in adult female mice. BoneKEy Reports, 2013, 2, 440.	2.7	28
108	Targeted inactivation of the mouse epididymal beta-defensin 41 alters sperm flagellar beat pattern and zona pellucida binding. Molecular and Cellular Endocrinology, 2016, 427, 143-154.	3.2	28

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109	Placenta Defects and Embryonic Lethality Resulting from Disruption of Mouse Hydroxysteroid (17-Î²) Dehydrogenase 2 Gene. Molecular Endocrinology, 2008, 22, 665-675.	3.7	27
110	Role of kisspeptins in the control of the hypothalamic-pituitary-ovarian axis: old dogmas and new challenges. Fertility and Sterility, 2020, 114, 465-474.	1.0	27
111	Regulation of Oestrogen Action: Role of 17Î²-hydroxysteroid Dehydrogenases. Annals of Medicine, 1995, 27, 675-682.	3.8	26
112	Ontogeny of 17Î²-hydroxysteroid dehydrogenase type 2 mRNA expression in the developing mouse placenta and fetus. Molecular and Cellular Endocrinology, 1997, 134, 33-40.	3.2	26
113	Origin of Substrate Specificity of Human and Rat 17Â-Hydroxysteroid Dehydrogenase Type 1, Using Chimeric Enzymes and Site-Directed Substitutions. Endocrinology, 1997, 138, 3532-3539.	2.8	26
114	Human HSD17B1 expression masculinizes transgenic female mice. Molecular and Cellular Endocrinology, 2009, 301, 163-168.	3.2	25
115	Activation of Androgens by Hydroxysteroid (17Î²) Dehydrogenase 1 in Vivo as a Cause of Prenatal Masculinization and Ovarian Benign Serous Cystadenomas. Molecular Endocrinology, 2007, 21, 2627-2636.	3.7	24
116	Epithelial cells are the major site of hydroxysteroid (17Î²) dehydrogenase 2 and androgen receptor expression in fetal mouse lungs during the period overlapping the surge of surfactant. Journal of Steroid Biochemistry and Molecular Biology, 2009, 117, 139-145.	2.5	24
117	Obesity in transgenic female mice with constitutively elevated luteinizing hormone secretion. American Journal of Physiology - Endocrinology and Metabolism, 2003, 285, E812-E818.	3.5	23
118	Maternal expression of the JMJD2A/KDM4A histone demethylase is critical for pre-implantation development. Development (Cambridge), 2017, 144, 3264-3277.	2.5	23
119	Glycovariant-based lateral flow immunoassay to detect ovarian cancerâ€“associated serum CA125. Communications Biology, 2020, 3, 460.	4.4	23
120	Promoter Function of Different Lengths of the Murine Luteinizing Hormone Receptor Gene 5â€²-Flanking Region in Transfected Gonadal Cells and in Transgenic Mice1. Endocrinology, 2001, 142, 2427-2434.	2.8	22
121	Secreted frizzled-related protein 2 (SFRP2) expression promotes lesion proliferation via canonical WNT signaling and indicates lesion borders in extraovarian endometriosis. Human Reproduction, 2018, 33, 817-831.	0.9	22
122	Evaluation of the 5â€²-Flanking Regions of Murine Glutathione Peroxidase Five and Cysteine-Rich Secretory Protein-1 Genes for Directing Transgene Expression in Mouse Epididymis1. Biology of Reproduction, 2001, 64, 1115-1121.	2.7	21
123	Adenosine Triphosphate Induces Ca2+ Signal in Epithelial Cells of the Mouse Caput Epididymis Through Activation of P2X and P2Y Purinergic Receptors1. Biology of Reproduction, 2003, 68, 1185-1192.	2.7	21
124	A Nanoparticle-Lectin Immunoassay Improves Discrimination of Serum CA125 from Malignant and Benign Sources. Clinical Chemistry, 2016, 62, 1390-1400.	3.2	21
125	Genetic Ablation of MiR-22 Fosters Diet-Induced Obesity and NAFLD Development. Journal of Personalized Medicine, 2020, 10, 170.	2.5	21
126	Expression of 17Â-Hydroxysteroid Dehydrogenase Type 1 and Type 2, P450 Aromatase, and 20Â-Hydroxysteroid Dehydrogenase Enzymes in Immature, Mature, and Pregnant Rats. Endocrinology, 1997, 138, 2886-2892.	2.8	21

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127	Transgenic Male Mice Expressing Human Hydroxysteroid Dehydrogenase 2 Indicate a Role for the Enzyme Independent of Its Action on Sex Steroids. Endocrinology, 2007, 148, 3827-3836.	2.8	20
128	Murine Relaxin-Like Factor Promoter: Functional Characterization and Regulation by Transcription Factors Steroidogenic Factor 1 and DAX-1. Endocrinology, 2002, 143, 909-919.	2.8	20
129	The androgen receptor depends on ligandâ€binding domain dimerization for transcriptional activation. EMBO Reports, 2021, 22, e52764.	4.5	20
130	Skeletal Changes in Transgenic Male Mice Expressing Human Cytochrome P450 Aromatase. Journal of Bone and Mineral Research, 2004, 19, 1320-1328.	2.8	19
131	WNT16 overexpression partly protects against glucocorticoid-induced bone loss. American Journal of Physiology - Endocrinology and Metabolism, 2018, 314, E597-E604.	3.5	19
132	Infravesical Obstruction in Aromatase Over Expressing Transgenic Male Mice With Increased Ratio of Serum Estrogen-To-Androgen Concentration. Journal of Urology, 2002, 168, 298-302.	0.4	18
133	Hyperprolactinemia induced by hCG leads to metabolic disturbances in female mice. Journal of Endocrinology, 2016, 230, 157-169.	2.6	18
134	Phenotypic characterisation of mice with exaggerated and missing LH/hCG action. Molecular and Cellular Endocrinology, 2007, 260-262, 255-263.	3.2	17
135	Short-Term Pharmacological Suppression of the Hyperprolactinemia of Infertile hCG-Overproducing Female Mice Persistently Restores Their Fertility. Endocrinology, 2012, 153, 5980-5992.	2.8	17
136	Comparison of liquid chromatography-microchip/mass spectrometry to conventional liquid chromatographyâ€“mass spectrometry for the analysis of steroids. Analytica Chimica Acta, 2012, 721, 115-121.	5.4	17
137	Ovarian Endometriosis Signatures Established through Discovery and Directed Mass Spectrometry Analysis. Journal of Proteome Research, 2014, 13, 4983-4994.	3.7	17
138	Ectodysplasin target gene Fgf20 regulates mammary bud growth and ductal invasion and branching during puberty. Scientific Reports, 2017, 7, 5049.	3.3	17
139	Adrenals Contribute to Growth of Castration-Resistant VCaP Prostate Cancer Xenografts. American Journal of Pathology, 2018, 188, 2890-2901.	3.8	17
140	Role of hydroxysteroid (17beta) dehydrogenase type 1 in reproductive tissues and hormone-dependent diseases. Molecular and Cellular Endocrinology, 2019, 489, 9-31.	3.2	17
141	Low Progesterone and Low Estradiol Levels Associate With Abdominal Aortic Aneurysms in Men. Journal of Clinical Endocrinology and Metabolism, 2022, 107, e1413-e1425.	3.6	17
142	Improved Technique for Detection of Enhanced Green Fluorescent Protein in Transgenic Mice. BioTechniques, 2001, 30, 1282-1285.	1.8	16
143	Inhibition of oocyte growth factors in vivo modulates ovarian folliculogenesis in neonatal and immature mice. Reproduction, 2010, 139, 587-598.	2.6	16
144	Members of the murine Pate family are predominantly expressed in the epididymis in a segment-specific fashion and regulated by androgens and other testicular factors. Reproductive Biology and Endocrinology, 2011, 9, 128.	3.3	16

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145	InÂVivo Expression of miR-32 Induces Proliferation in Prostate Epithelium. American Journal of Pathology, 2017, 187, 2546-2557.	3.8	16
146	Intratumoral androgen levels are linked to TMPRSS2-ERG fusion in prostate cancer. Endocrine-Related Cancer, 2018, 25, 807-819.	3.1	16
147	Erbb4 regulates the oocyte microenvironment during folliculogenesis. Human Molecular Genetics, 2020, 29, 2813-2830.	2.9	16
148	Fam3c modulates osteogenic cell differentiation and affects bone volume and cortical bone mineral density. BoneKEy Reports, 2016, 5, 787.	2.7	16
149	17Î²-Hydroxysteroid Dehydrogenase Type 1 in Normal Breast Tissue during the Menstrual Cycle and Hormonal Contraception1. Journal of Clinical Endocrinology and Metabolism, 1998, 83, 1190-1193.	3.6	15
150	Regional Expression of Androgen Receptor Coregulators and Androgen Action in the Mouse Epididymis. Journal of Andrology, 2011, 32, 711-717.	2.0	15
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