

Eckhard Wolf

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

500
papers

22,979
citations

73
h-index

130
g-index

531
ext. papers

25,926
ext. citations

5.6
avg, IF

6.44
L-index

#	Paper	IF	Citations
500	CCR7 coordinates the primary immune response by establishing functional microenvironments in secondary lymphoid organs. <i>Cell</i> , 1999 , 99, 23-33	56.2	1889
499	A putative chemokine receptor, BLR1, directs B cell migration to defined lymphoid organs and specific anatomic compartments of the spleen. <i>Cell</i> , 1996 , 87, 1037-47	56.2	975
498	Genome-wide, large-scale production of mutant mice by ENU mutagenesis. <i>Nature Genetics</i> , 2000 , 25, 444-7	36.3	578
497	Disruption of the CNTF gene results in motor neuron degeneration. <i>Nature</i> , 1993 , 365, 27-32	50.4	551
496	Epigenetic marking correlates with developmental potential in cloned bovine preimplantation embryos. <i>Current Biology</i> , 2003 , 13, 1116-21	6.3	458
495	A humanized version of Foxp2 affects cortico-basal ganglia circuits in mice. <i>Cell</i> , 2009 , 137, 961-71	56.2	427
494	Mitochondrial distribution and adenosine triphosphate content of bovine oocytes before and after in vitro maturation: correlation with morphological criteria and developmental capacity after in vitro fertilization and culture. <i>Biology of Reproduction</i> , 2001 , 64, 904-9	3.9	354
493	Animal models of obesity and diabetes mellitus. <i>Nature Reviews Endocrinology</i> , 2018 , 14, 140-162	15.2	330
492	The epidermal growth factor receptor ligands at a glance. <i>Journal of Cellular Physiology</i> , 2009 , 218, 460-67		301
491	Rapamycin extends murine lifespan but has limited effects on aging. <i>Journal of Clinical Investigation</i> , 2013 , 123, 3272-91	15.9	267
490	Chimeric 2C10R4 anti-CD40 antibody therapy is critical for long-term survival of GTKO.hCD46.hTBM pig-to-primate cardiac xenograft. <i>Nature Communications</i> , 2016 , 7, 11138	17.4	227
489	Efficient transgenesis in farm animals by lentiviral vectors. <i>EMBO Reports</i> , 2003 , 4, 1054-60	6.5	220
488	Genes involved in conceptus-endometrial interactions in ruminants: insights from reductionism and thoughts on holistic approaches. <i>Reproduction</i> , 2008 , 135, 165-79	3.8	205
487	Specific subtypes of cutaneous mechanoreceptors require neurotrophin-3 following peripheral target innervation. <i>Neuron</i> , 1996 , 16, 287-95	13.9	203
486	Consistent success in life-supporting porcine cardiac xenotransplantation. <i>Nature</i> , 2018 , 564, 430-433	50.4	197
485	Fine mapping of genome activation in bovine embryos by RNA sequencing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 4139-44	11.5	195
484	Transgenic pigs as models for translational biomedical research. <i>Journal of Molecular Medicine</i> , 2010 , 88, 653-64	5.5	182

483	The Ca ²⁺ -binding proteins S100A8 and S100A9 are encoded by novel injury-regulated genes. <i>Journal of Biological Chemistry</i> , 2001 , 276, 35818-25	5.4	179
482	Overexpression of insulin-like growth factor-binding protein-2 in transgenic mice reduces postnatal body weight gain. <i>Endocrinology</i> , 1999 , 140, 5488-96	4.8	178
481	Comprehensive galectin fingerprinting in a panel of 61 human tumor cell lines by RT-PCR and its implications for diagnostic and therapeutic procedures. <i>Journal of Cancer Research and Clinical Oncology</i> , 2001 , 127, 375-86	4.9	177
480	Embryo-induced transcriptome changes in bovine endometrium reveal species-specific and common molecular markers of uterine receptivity. <i>Reproduction</i> , 2006 , 132, 319-31	3.8	169
479	Introducing the German Mouse Clinic: open access platform for standardized phenotyping. <i>Nature Methods</i> , 2005 , 2, 403-4	21.6	148
478	Mitochondrial DNA heteroplasmy in cloned cattle produced by fetal and adult cell cloning. <i>Nature Genetics</i> , 2000 , 25, 255-7	36.3	147
477	The endometrium responds differently to cloned versus fertilized embryos. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 5681-6	11.5	143
476	Glucose intolerance and reduced proliferation of pancreatic beta-cells in transgenic pigs with impaired glucose-dependent insulinotropic polypeptide function. <i>Diabetes</i> , 2010 , 59, 1228-38	0.9	141
475	Monozygotic twin model reveals novel embryo-induced transcriptome changes of bovine endometrium in the preattachment period. <i>Biology of Reproduction</i> , 2006 , 74, 253-64	3.9	135
474	Targeted disruption of the Walker-Warburg syndrome gene <i>Pomt1</i> in mouse results in embryonic lethality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 14126-31	11.5	133
473	Adult cloning in cattle: potential of nuclei from a permanent cell line and from primary cultures. <i>Molecular Reproduction and Development</i> , 1999 , 54, 264-72	2.6	132
472	Interleukin-6 stimulates clonogenic growth of primary and metastatic human colon carcinoma cells. <i>Cancer Letters</i> , 2000 , 151, 31-8	9.9	131
471	Genetic modification of pigs as organ donors for xenotransplantation. <i>Molecular Reproduction and Development</i> , 2010 , 77, 209-21	2.6	128
470	Beyond wavy hairs: the epidermal growth factor receptor and its ligands in skin biology and pathology. <i>American Journal of Pathology</i> , 2008 , 173, 14-24	5.8	128
469	A key role for E-cadherin in intestinal homeostasis and Paneth cell maturation. <i>PLoS ONE</i> , 2010 , 5, e143257	3.7	125
468	Generation of transgenic cattle by lentiviral gene transfer into oocytes. <i>Biology of Reproduction</i> , 2004 , 71, 405-9	3.9	125
467	Effects of long-term elevated serum levels of growth hormone on life expectancy of mice: lessons from transgenic animal models. <i>Mechanisms of Ageing and Development</i> , 1993 , 68, 71-87	5.6	120
466	Dominant-negative effects of a novel mutated <i>Ins2</i> allele causes early-onset diabetes and severe beta-cell loss in Munich <i>Ins2</i> C95S mutant mice. <i>Diabetes</i> , 2007 , 56, 1268-76	0.9	116

465	Methylation reprogramming and chromosomal aneuploidy in in vivo fertilized and cloned rabbit preimplantation embryos. <i>Biology of Reproduction</i> , 2004 , 71, 340-7	3.9	115
464	ER stress-mediated apoptosis in a new mouse model of osteogenesis imperfecta. <i>PLoS Genetics</i> , 2008 , 4, e7	6	111
463	Tumor galectinology: insights into the complex network of a family of endogenous lectins. <i>Glycoconjugate Journal</i> , 2004 , 20, 227-38	3	110
462	Epigenetic reprogramming in mammalian nuclear transfer. <i>Differentiation</i> , 2003 , 71, 91-113	3.5	109
461	Uniformity of nucleosome preservation pattern in Mammalian sperm and its connection to repetitive DNA elements. <i>Developmental Cell</i> , 2014 , 30, 23-35	10.2	107
460	Analysis of mammalian gene function through broad-based phenotypic screens across a consortium of mouse clinics. <i>Nature Genetics</i> , 2015 , 47, 969-978	36.3	106
459	HLA-E/human beta2-microglobulin transgenic pigs: protection against xenogeneic human anti-pig natural killer cell cytotoxicity. <i>Transplantation</i> , 2009 , 87, 35-43	1.8	105
458	Mouse phenotyping. <i>Methods</i> , 2011 , 53, 120-35	4.6	103
457	Transgenic mouse models for studying the functions of insulin-like growth factor-binding proteins. <i>FASEB Journal</i> , 2000 , 14, 629-40	0.9	103
456	Activities of the matrix metalloproteinase stromelysin-2 (MMP-10) in matrix degradation and keratinocyte organization in wounded skin. <i>Molecular Biology of the Cell</i> , 2004 , 15, 5242-54	3.5	101
455	Xenografted islet cell clusters from INSLEA29Y transgenic pigs rescue diabetes and prevent immune rejection in humanized mice. <i>Diabetes</i> , 2012 , 61, 1527-32	0.9	100
454	Cellular and Molecular Probing of Intact Human Organs. <i>Cell</i> , 2020 , 180, 796-812.e19	56.2	96
453	Dystrophin-deficient pigs provide new insights into the hierarchy of physiological derangements of dystrophic muscle. <i>Human Molecular Genetics</i> , 2013 , 22, 4368-82	5.6	94
452	Escherichia coli infection induces distinct local and systemic transcriptome responses in the mammary gland. <i>BMC Genomics</i> , 2010 , 11, 138	4.5	94
451	Dynamic changes in messenger RNA profiles of bovine endometrium during the oestrous cycle. <i>Reproduction</i> , 2008 , 135, 225-40	3.8	94
450	Epigenetic regulation of lentiviral transgene vectors in a large animal model. <i>Molecular Therapy</i> , 2006 , 13, 59-66	11.7	94
449	Growth inhibition in giant growth hormone transgenic mice by overexpression of insulin-like growth factor-binding protein-2. <i>Endocrinology</i> , 2001 , 142, 1889-98	4.8	91
448	Polyclonal anti-PrP auto-antibodies induced with dimeric PrP interfere efficiently with PrPSc propagation in prion-infected cells. <i>Journal of Biological Chemistry</i> , 2003 , 278, 18524-31	5.4	90

447	Efficient production of multi-modified pigs for xenotransplantation by 'combineering', gene stacking and gene editing. <i>Scientific Reports</i> , 2016 , 6, 29081	4.9	89
446	Peroxiredoxin 6 is a potent cytoprotective enzyme in the epidermis. <i>American Journal of Pathology</i> , 2006 , 169, 1194-205	5.8	89
445	Genome activation in bovine embryos: review of the literature and new insights from RNA sequencing experiments. <i>Animal Reproduction Science</i> , 2014 , 149, 46-58	2.1	87
444	Tissue-specific elevated genomic cytosine methylation levels are associated with an overgrowth phenotype of bovine fetuses derived by in vitro techniques. <i>Biology of Reproduction</i> , 2004 , 71, 217-23	3.9	87
443	Regulation of ipsilateral and contralateral bovine oviduct epithelial cell function in the postovulation period: a transcriptomics approach. <i>Biology of Reproduction</i> , 2003 , 68, 1170-7	3.9	87
442	Maturation of bovine oocytes in the presence of leptin improves development and reduces apoptosis of in vitro-produced blastocysts. <i>Biology of Reproduction</i> , 2005 , 73, 737-44	3.9	87
441	A porcine model of familial adenomatous polyposis. <i>Gastroenterology</i> , 2012 , 143, 1173-1175.e7	13.3	86
440	Efficient transgenesis in farm animals by lentiviral vectors. <i>EMBO Reports</i> , 2003 , 4, 1054-1058	6.5	83
439	Nuclear transfer in cattle with non-transfected and transfected fetal or cloned transgenic fetal and postnatal fibroblasts. <i>Molecular Reproduction and Development</i> , 2001 , 60, 362-9	2.6	81
438	Rabbit somatic cell cloning: effects of donor cell type, histone acetylation status and chimeric embryo complementation. <i>Reproduction</i> , 2007 , 133, 219-30	3.8	80
437	Completion of the swine genome will simplify the production of swine as a large animal biomedical model. <i>BMC Medical Genomics</i> , 2012 , 5, 55	3.7	79
436	Differential endometrial gene expression in pregnant and nonpregnant sows. <i>Biology of Reproduction</i> , 2010 , 83, 277-85	3.9	79
435	Permanent neonatal diabetes in INS(C94Y) transgenic pigs. <i>Diabetes</i> , 2013 , 62, 1505-11	0.9	78
434	Diabetes Mellitus-Induced Microvascular Destabilization in the Myocardium. <i>Journal of the American College of Cardiology</i> , 2017 , 69, 131-143	15.1	77
433	Generation and characterization of dickkopf3 mutant mice. <i>Molecular and Cellular Biology</i> , 2006 , 26, 2317-26	7.8	77
432	Pluripotent stem cells--model of embryonic development, tool for gene targeting, and basis of cell therapy. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2002 , 31, 169-86	1.1	76
431	Induction of a senescent-like phenotype does not confer the ability of bovine immortal cells to support the development of nuclear transfer embryos. <i>Biology of Reproduction</i> , 2003 , 69, 301-9	3.9	76
430	Pig-to-baboon heterotopic heart transplantation--exploratory preliminary experience with pigs transgenic for human thrombomodulin and comparison of three costimulation blockade-based regimens. <i>Xenotransplantation</i> , 2015 , 22, 211-20	2.8	74

429	Protein O-mannosylation is crucial for E-cadherin-mediated cell adhesion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 21024-9	11.5	73
428	Mitochondrial dysfunction and decrease in body weight of a transgenic knock-in mouse model for TDP-43. <i>Journal of Biological Chemistry</i> , 2014 , 289, 10769-10784	5.4	72
427	Effects of genetic background, gender, and early environmental factors on isolation-induced ultrasonic calling in mouse pups: an embryo-transfer study. <i>Behavior Genetics</i> , 2008 , 38, 579-95	3.2	72
426	Progress in Clinical Encapsulated Islet Xenotransplantation. <i>Transplantation</i> , 2016 , 100, 2301-2308	1.8	72
425	Animal models of arrhythmia: classic electrophysiology to genetically modified large animals. <i>Nature Reviews Cardiology</i> , 2019 , 16, 457-475	14.8	71
424	Heteroplasmy in bovine fetuses produced by intra- and inter-subspecific somatic cell nuclear transfer: neutral segregation of nuclear donor mitochondrial DNA in various tissues and evidence for recipient cow mitochondria in fetal blood. <i>Biology of Reproduction</i> , 2003 , 68, 159-66	3.9	71
423	Accelerated growth and visceral lesions in transgenic mice expressing foreign genes of the growth hormone family: an overview. <i>Pediatric Nephrology</i> , 1991 , 5, 513-21	3.2	70
422	Toxicity modelling of Plk1-targeted therapies in genetically engineered mice and cultured primary mammalian cells. <i>Nature Communications</i> , 2011 , 2, 395	17.4	67
421	Comparison of the effects of early pregnancy with human interferon, alpha 2 (IFNA2), on gene expression in bovine endometrium. <i>Biology of Reproduction</i> , 2012 , 86, 46	3.9	67
420	A bovine oviduct epithelial cell suspension culture system suitable for studying embryo-maternal interactions: morphological and functional characterization. <i>Reproduction</i> , 2006 , 132, 637-48	3.8	67
419	Expression of synthetic cDNA sequences encoding human insulin-like growth factor-1 (IGF-1) in the mammary gland of transgenic rabbits. <i>Gene</i> , 1994 , 149, 351-5	3.8	67
418	Systemic first-line phenotyping. <i>Methods in Molecular Biology</i> , 2009 , 530, 463-509	1.4	67
417	Epigenetic alterations in longevity regulators, reduced life span, and exacerbated aging-related pathology in old father offspring mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E2348-E2357	11.5	65
416	Distribution and expression of porcine endogenous retroviruses in multi-transgenic pigs generated for xenotransplantation. <i>Xenotransplantation</i> , 2009 , 16, 64-73	2.8	65
415	Chimeric pigs following blastocyst injection of transgenic porcine primordial germ cells. <i>Molecular Reproduction and Development</i> , 1999 , 54, 244-54	2.6	65
414	Requirement of the RNA-editing enzyme ADAR2 for normal physiology in mice. <i>Journal of Biological Chemistry</i> , 2011 , 286, 18614-22	5.4	64
413	Efficient in vitro production of cat embryos in modified synthetic oviduct fluid medium: effects of season and ovarian status. <i>Biology of Reproduction</i> , 2001 , 65, 9-13	3.9	64
412	Evidence for conserved DNA and histone H3 methylation reprogramming in mouse, bovine and rabbit zygotes. <i>Epigenetics and Chromatin</i> , 2008 , 1, 8	5.8	62

411	Growth analysis of the mouse adrenal gland from weaning to adulthood: time- and gender-dependent alterations of cell size and number in the cortical compartment. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007 , 293, E139-46	6	62
410	Physiologic systemic iron metabolism in mice deficient for duodenal Hfe. <i>Blood</i> , 2007 , 109, 4511-7	2.2	62
409	CARP, a cardiac ankyrin repeat protein, is up-regulated during wound healing and induces angiogenesis in experimental granulation tissue. <i>American Journal of Pathology</i> , 2005 , 166, 303-12	5.8	62
408	Factors influencing the efficiency of generating genetically engineered pigs by nuclear transfer: multi-factorial analysis of a large data set. <i>BMC Biotechnology</i> , 2013 , 13, 43	3.5	61
407	eIF6 coordinates insulin sensitivity and lipid metabolism by coupling translation to transcription. <i>Nature Communications</i> , 2015 , 6, 8261	17.4	60
406	Every-other-day feeding extends lifespan but fails to delay many symptoms of aging in mice. <i>Nature Communications</i> , 2017 , 8, 155	17.4	60
405	Genetically engineered pig models for diabetes research. <i>Transgenic Research</i> , 2014 , 23, 27-38	3.3	60
404	Leptin promotes meiotic progression and developmental capacity of bovine oocytes via cumulus cell-independent and -dependent mechanisms. <i>Biology of Reproduction</i> , 2007 , 76, 532-41	3.9	60
403	Detection of collagens by multispectral optoacoustic tomography as an imaging biomarker for Duchenne muscular dystrophy. <i>Nature Medicine</i> , 2019 , 25, 1905-1915	50.5	60
402	Changes of higher order chromatin arrangements during major genome activation in bovine preimplantation embryos. <i>Experimental Cell Research</i> , 2009 , 315, 2053-63	4.2	59
401	Missing-in-metastasis MIM/MTSS1 promotes actin assembly at intercellular junctions and is required for integrity of kidney epithelia. <i>Journal of Cell Science</i> , 2011 , 124, 1245-55	5.3	59
400	Increase of essential amino acids in the bovine uterine lumen during preimplantation development. <i>Reproduction</i> , 2011 , 141, 685-95	3.8	59
399	Tissue-specific effects of in vitro fertilization procedures on genomic cytosine methylation levels in overgrown and normal sized bovine fetuses. <i>Biology of Reproduction</i> , 2006 , 75, 17-23	3.9	59
398	Chromatin-remodeling factor SMARCD2 regulates transcriptional networks controlling differentiation of neutrophil granulocytes. <i>Nature Genetics</i> , 2017 , 49, 742-752	36.3	58
397	Insulin-like growth factor (IGF)-I stimulates cell proliferation and induces IGF binding protein (IGFBP)-3 and IGFBP-5 gene expression in cultured growth plate chondrocytes via distinct signaling pathways. <i>Endocrinology</i> , 2005 , 146, 3096-104	4.8	58
396	Mutation in the betaA3/A1-crystallin encoding gene Cryba1 causes a dominant cataract in the mouse. <i>Genomics</i> , 1999 , 62, 67-73	4.3	58
395	Secretion of biologically active interferon tau by in vitro-derived bovine trophoblastic tissue. <i>Biology of Reproduction</i> , 1995 , 53, 1500-7	3.9	57
394	Inactivation and inducible oncogenic mutation of p53 in gene targeted pigs. <i>PLoS ONE</i> , 2012 , 7, e43323	3.7	57

393	MFAP4 Promotes Vascular Smooth Muscle Migration, Proliferation and Accelerates Neointima Formation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016 , 36, 122-33	9.4	56
392	Human insulin-like growth factor I (IGF-I) produced in the mammary glands of transgenic rabbits: yield, receptor binding, mitogenic activity, and effects on IGF-binding proteins. <i>Endocrinology</i> , 1997 , 138, 307-13	4.8	56
391	OCT4/POU5F1 is required for NANOG expression in bovine blastocysts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 2770-2775	11.5	54
390	Insulin-like growth factor-binding protein-2 (IGFBP-2) overexpression negatively regulates bone size and mass, but not density, in the absence and presence of growth hormone/IGF-I excess in transgenic mice. <i>Anatomy and Embryology</i> , 2002 , 206, 139-48		54
389	Bovine somatic cell nuclear transfer using recipient oocytes recovered by ovum pick-up: effect of maternal lineage of oocyte donors. <i>Biology of Reproduction</i> , 2002 , 66, 367-73	3.9	54
388	Potential of fetal germ cells for nuclear transfer in cattle. <i>Molecular Reproduction and Development</i> , 1999 , 52, 421-6	2.6	54
387	Cytochrome c oxidase subunit 4 isoform 2-knockout mice show reduced enzyme activity, airway hyporeactivity, and lung pathology. <i>FASEB Journal</i> , 2012 , 26, 3916-30	0.9	53
386	Diabetic kidney lesions of GIPRdn transgenic mice: podocyte hypertrophy and thickening of the GBM precede glomerular hypertrophy and glomerulosclerosis. <i>American Journal of Physiology - Renal Physiology</i> , 2009 , 296, F819-29	4.3	53
385	Insulin-like growth factor-binding protein-2 inhibits proliferation of human embryonic kidney fibroblasts and of IGF-responsive colon carcinoma cell lines. <i>FEBS Letters</i> , 1998 , 434, 329-34	3.8	53
384	Expression of biologically active human TRAIL in transgenic pigs. <i>Transplantation</i> , 2005 , 80, 222-30	1.8	53
383	First inducible transgene expression in porcine large animal models. <i>FASEB Journal</i> , 2012 , 26, 1086-99	0.9	52
382	Oxalate-induced chronic kidney disease with its uremic and cardiovascular complications in C57BL/6 mice. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 310, F785-F795	4.3	51
381	Regulatory sequences of the porcine THBD gene facilitate endothelial-specific expression of bioactive human thrombomodulin in single- and multitransgenic pigs. <i>Transplantation</i> , 2014 , 97, 138-47	1.8	51
380	Postnatal overexpression of insulin-like growth factor II in transgenic mice is associated with adrenocortical hyperplasia and enhanced steroidogenesis. <i>Endocrinology</i> , 1999 , 140, 1537-43	4.8	51
379	Composition of parental mitochondrial DNA in cloned bovine embryos. <i>FEBS Letters</i> , 1998 , 426, 352-6	3.8	50
378	Invasion of tumorigenic HT1080 cells is impeded by blocking or downregulating the 37-kDa/67-kDa laminin receptor. <i>Journal of Molecular Biology</i> , 2008 , 378, 530-9	6.5	50
377	Nuclear transfer in mammals: recent developments and future perspectives. <i>Journal of Biotechnology</i> , 1998 , 65, 99-110	3.7	50
376	Non-balanced mix of mitochondrial DNA in cloned cattle produced by cytoplasm-blastomere fusion. <i>FEBS Letters</i> , 1998 , 426, 357-61	3.8	49

375	Growth hormone inhibits apoptosis in in vitro produced bovine embryos. <i>Molecular Reproduction and Development</i> , 2002 , 61, 180-6	2.6	49
374	Establishment of pluripotent cell lines from vertebrate species--present status and future prospects. <i>Cells Tissues Organs</i> , 1999 , 165, 220-36	2.1	49
373	Large-scale phenotyping of an accurate genetic mouse model of JNCL identifies novel early pathology outside the central nervous system. <i>PLoS ONE</i> , 2012 , 7, e38310	3.7	49
372	Identification of genetic elements in metabolism by high-throughput mouse phenotyping. <i>Nature Communications</i> , 2018 , 9, 288	17.4	48
371	Betacellulin overexpression in transgenic mice causes disproportionate growth, pulmonary hemorrhage syndrome, and complex eye pathology. <i>Endocrinology</i> , 2005 , 146, 5237-46	4.8	48
370	The clinical-chemical screen in the Munich ENU Mouse Mutagenesis Project: screening for clinically relevant phenotypes. <i>Mammalian Genome</i> , 2000 , 11, 543-6	3.2	48
369	Lack of Pur-alpha alters postnatal brain development and causes megalencephaly. <i>Human Molecular Genetics</i> , 2012 , 21, 473-84	5.6	46
368	Characterization of a mutation in the lens-specific MP70 encoding gene of the mouse leading to a dominant cataract. <i>Experimental Eye Research</i> , 2001 , 73, 867-76	3.7	46
367	Bovine endometrial metallopeptidases MMP14 and MMP2 and the metallopeptidase inhibitor TIMP2 participate in maternal preparation of pregnancy. <i>Molecular and Cellular Endocrinology</i> , 2011 , 332, 48-57	4.4	45
366	Cortical bone loss in androgen-deficient aged male rats is mainly caused by increased endocortical bone remodeling. <i>Journal of Bone and Mineral Research</i> , 2008 , 23, 694-704	6.3	45
365	Overexpression of insulin-like growth factor-II in mouse embryonic stem cells promotes myogenic differentiation. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 277, 631-8	3.4	45
364	Phenotypic comparison of common mouse strains developing high-fat diet-induced hepatosteatosis. <i>Molecular Metabolism</i> , 2013 , 2, 435-46	8.8	44
363	Overexpression of a dominant negative GIP receptor in transgenic mice results in disturbed postnatal pancreatic islet and beta-cell development. <i>Regulatory Peptides</i> , 2005 , 125, 103-17		44
362	Cloned transgenic farm animals produce a bispecific antibody for T cell-mediated tumor cell killing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 6858-63	11.5	44
361	Transcriptome analyses of bovine, porcine and equine endometrium during the pre-implantation phase. <i>Animal Reproduction Science</i> , 2012 , 134, 84-94	2.1	43
360	Evidence for estrogen-dependent uterine serpin (SERPINA14) expression during estrus in the bovine endometrial glandular epithelium and lumen. <i>Biology of Reproduction</i> , 2009 , 81, 795-805	3.9	43
359	Insulin-like growth factor I (IGF-I) and long R(3)IGF-I differently affect development and messenger ribonucleic acid abundance for IGF-binding proteins and type I IGF receptors in in vitro produced bovine embryos. <i>Endocrinology</i> , 2001 , 142, 1309-16	4.8	43
358	Coenzyme Q(10) in submicron-sized dispersion improves development, hatching, cell proliferation, and adenosine triphosphate content of in vitro-produced bovine embryos. <i>Biology of Reproduction</i> , 1999 , 61, 541-7	3.9	43

357	Clinical Chemistry Reference Intervals for C57BL/6J, C57BL/6N, and C3HeB/FeJ Mice (<i>Mus musculus</i>). <i>Journal of the American Association for Laboratory Animal Science</i> , 2016 , 55, 375-86	1.3	43
356	Vessel Network Architecture of Adult Human Islets Promotes Distinct Cell-Cell Interactions In Situ and Is Altered After Transplantation. <i>Endocrinology</i> , 2017 , 158, 1373-1385	4.8	42
355	Actions and interactions of progesterone and estrogen on transcriptome profiles of the bovine endometrium. <i>Physiological Genomics</i> , 2010 , 42A, 290-300	3.6	42
354	Canine embryo-derived stem cells and models for human diseases. <i>Human Molecular Genetics</i> , 2008 , 17, R42-7	5.6	42
353	Nuclear transfer and transgenesis in the pig. <i>Methods in Molecular Biology</i> , 2015 , 1222, 37-59	1.4	41
352	Growth hormone receptor-deficient pigs resemble the pathophysiology of human Laron syndrome and reveal altered activation of signaling cascades in the liver. <i>Molecular Metabolism</i> , 2018 , 11, 113-128	8.8	41
351	Growth hormone-related effects on apoptosis, mitosis, and expression of connexin 43 in bovine in vitro maturation cumulus-oocyte complexes. <i>Biology of Reproduction</i> , 2003 , 68, 1584-9	3.9	41
350	Insulin-like growth factor-binding protein-5 inhibits growth and induces differentiation of mouse osteosarcoma cells. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 288, 435-42	3.4	41
349	Gene expression profiling of bovine periparturient placentomes: detection of molecular pathways potentially involved in the release of foetal membranes. <i>Reproduction</i> , 2012 , 143, 85-105	3.8	40
348	Cell arrest and cell death in mammalian preimplantation development: lessons from the bovine model. <i>PLoS ONE</i> , 2011 , 6, e22121	3.7	40
347	Changing metabolic signatures of amino acids and lipids during the prediabetic period in a pig model with impaired incretin function and reduced muscle mass. <i>Diabetes</i> , 2012 , 61, 2166-75	0.9	40
346	What is the function of IGF-II in postnatal life? Answers from transgenic mouse models. <i>Growth Hormone and IGF Research</i> , 1998 , 8, 185-93	2	40
345	Canine embryo-derived stem cells--toward clinically relevant animal models for evaluating efficacy and safety of cell therapies. <i>Stem Cells</i> , 2007 , 25, 1850-1	5.8	40
344	Tissue Sampling Guides for Porcine Biomedical Models. <i>Toxicologic Pathology</i> , 2016 , 44, 414-20	2.1	39
343	Insulin-like growth factor binding protein 2 (IGFBP-2) separates hypertrophic and hyperplastic effects of growth hormone (GH)/IGF-I excess on adrenocortical cells in vivo. <i>FASEB Journal</i> , 2002 , 16, 1721-31	0.9	39
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