

Eckhard Wolf

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2600819/eckhard-wolf-publications-by-year.pdf>

Version: 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Loss of DRO1/CCDC80 in the tumor microenvironment promotes carcinogenesis.. <i>Oncotarget</i> , 2022 , 13, 615-627	3.3	0
499	Clinical cardiac xenotransplantation first in the clinical arena.. <i>Xenotransplantation</i> , 2022 , e12734	2.8	
498	Extensive identification of genes involved in congenital and structural heart disorders and cardiomyopathy 2022 , 1, 157-173		2
497	Early disruption of photoreceptor cell architecture and loss of vision in a humanized pig model of usher syndromes.. <i>EMBO Molecular Medicine</i> , 2022 , e14817	12	1
496	Replacing Needle Injection by a Novel Waterjet Technology Grants Improved Muscle Cell Delivery in Target Tissues.. <i>Cell Transplantation</i> , 2022 , 31, 9636897221080943	4	
495	OCT4/POU5F1 is indispensable for the lineage differentiation of the inner cell mass in bovine embryos.. <i>FASEB Journal</i> , 2022 , 36, e22337	0.9	0
494	Mice lacking the mitochondrial exonuclease MGME1 develop inflammatory kidney disease with glomerular dysfunction.. <i>PLoS Genetics</i> , 2022 , 18, e1010190	6	0
493	Transgenic pigs expressing near infrared fluorescent protein-A novel tool for noninvasive imaging of islet xenotransplants.. <i>Xenotransplantation</i> , 2021 , e12719	2.8	1
492	Differential Effects of Insulin-Deficient Diabetes Mellitus on Visceral vs. Subcutaneous Adipose Tissue-Multi-omics Insights From the Munich MIDY Pig Model. <i>Frontiers in Medicine</i> , 2021 , 8, 751277	4.9	1
491	International standards and guidelines for xenotransplantation. <i>Nature Biotechnology</i> , 2021 ,	44.5	1
490	The Missing Link: Cre Pigs for Cancer Research. <i>Frontiers in Oncology</i> , 2021 , 11, 755746	5.3	0
489	Cas9-expressing chickens and pigs as resources for genome editing in livestock. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	7
488	The hepatokine fetuin-A disrupts functional maturation of pancreatic beta cells. <i>Diabetologia</i> , 2021 , 64, 1358-1374	10.3	3
487	Mammalian VPS45 orchestrates trafficking through the endosomal system. <i>Blood</i> , 2021 , 137, 1932-1944	2.2	4
486	A New Toolbox in Experimental Embryology-Alternative Model Organisms for Studying Preimplantation Development. <i>Journal of Developmental Biology</i> , 2021 , 9,	3.5	2
485	25th ANNIVERSARY OF CLONING BY SOMATIC-CELL NUCLEAR TRANSFER: Nuclear transfer and the development of genetically modified/gene edited livestock. <i>Reproduction</i> , 2021 , 162, F59-F68	3.8	2
484	Mitochondrial DNA Depletion in Granulosa Cell Derived Nuclear Transfer Tissues. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 664099	5.7	2

483	Growth hormone receptor knockout to reduce the size of donor pigs for preclinical xenotransplantation studies. <i>Xenotransplantation</i> , 2021 , 28, e12664	2.8	10
482	Cold non-ischemic heart preservation with continuous perfusion prevents early graft failure in orthotopic pig-to-baboon xenotransplantation. <i>Xenotransplantation</i> , 2021 , 28, e12636	2.8	6
481	Xenotransplantation solider Organe. <i>Der Nephrologe</i> , 2021 , 16, 138-144	0.1	1
480	Transcriptome dynamics in early in vivo developing and in vitro produced porcine embryos. <i>BMC Genomics</i> , 2021 , 22, 139	4.5	3
479	Genome editing for Duchenne muscular dystrophy: a glimpse of the future?. <i>Gene Therapy</i> , 2021 , 28, 542-548	4	7
478	Unbiased analysis of obesity related, fat depot specific changes of adipocyte volumes and numbers using light sheet fluorescence microscopy. <i>PLoS ONE</i> , 2021 , 16, e0248594	3.7	1
477	MECHANISMS IN ENDOCRINOLOGY: Transient juvenile hypoglycemia in growth hormone receptor deficiency - mechanistic insights from Laron syndrome and tailored animal models. <i>European Journal of Endocrinology</i> , 2021 , 185, R35-R47	6.5	1
476	Hypoblast Formation in Bovine Embryos Does Not Depend on NANOG. <i>Cells</i> , 2021 , 10,	7.9	1
475	Pathways to Clinical Cardiac Xenotransplantation. <i>Transplantation</i> , 2021 , 105, 1930-1943	1.8	5
474	A new method for physical disector analyses of numbers and mean volumes of immunohistochemically labeled cells in paraffin sections. <i>Journal of Neuroscience Methods</i> , 2021 , 361, 109272	3	
473	Sequential in vivo labeling of insulin secretory granule pools in - transgenic pigs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	4
472	Transplantation und künstliches Pankreas. <i>Diabetologe</i> , 2020 , 16, 662-668	0.2	
471	Proteome profile of neutrophils from a transgenic diabetic pig model shows distinct changes. <i>Journal of Proteomics</i> , 2020 , 224, 103843	3.9	5
470	Murine tissue factor disulfide mutation causes a bleeding phenotype with sex specific organ pathology and lethality. <i>Haematologica</i> , 2020 , 105, 2484-2495	6.6	
469	Pig-to-non-human primate heart transplantation: The final step toward clinical xenotransplantation?. <i>Journal of Heart and Lung Transplantation</i> , 2020 , 39, 751-757	5.8	18
468	Physiological relevance of the neuronal isoform of inositol-1,4,5-trisphosphate 3-kinases in mice. <i>Neuroscience Letters</i> , 2020 , 735, 135206	3.3	1
467	Xeno-organ donor pigs with multiple genetic modifications - the more the better?. <i>Current Opinion in Genetics and Development</i> , 2020 , 64, 60-65	4.9	9
466	Genetically encoded Ca ²⁺ -sensor reveals details of porcine endothelial cell activation upon contact with human serum. <i>Xenotransplantation</i> , 2020 , 27, e12585	2.8	1

465	A comprehensive and comparative phenotypic analysis of the collaborative founder strains identifies new and known phenotypes. <i>Mammalian Genome</i> , 2020 , 31, 30-48	3.2	8
464	Cellular and Molecular Probing of Intact Human Organs. <i>Cell</i> , 2020 , 180, 796-812.e19	56.2	96
463	Porcine models for studying complications and organ crosstalk in diabetes mellitus. <i>Cell and Tissue Research</i> , 2020 , 380, 341-378	4.2	28
462	Irp2 regulates insulin production through iron-mediated Cdkal1-catalyzed tRNA modification. <i>Nature Communications</i> , 2020 , 11, 296	17.4	28
461	Integration of nano- and biotechnology for beta-cell and islet transplantation in type-1 diabetes treatment. <i>Cell Proliferation</i> , 2020 , 53, e12785	7.9	12
460	Gene Regulatory and Expression Differences between Mouse and Pig Limb Buds Provide Insights into the Evolutionary Emergence of Artiodactyl Traits. <i>Cell Reports</i> , 2020 , 31, 107490	10.6	8
459	Functional changes of the liver in the absence of growth hormone (GH) action - Proteomic and metabolomic insights from a GH receptor deficient pig model. <i>Molecular Metabolism</i> , 2020 , 36, 100978	8.8	12
458	Autoantibodies as diagnostic markers and potential drivers of inflammation in ulcerative colitis. <i>PLoS ONE</i> , 2020 , 15, e0228615	3.7	4
457	A decade of experience with genetically tailored pig models for diabetes and metabolic research. <i>Animal Reproduction</i> , 2020 , 17, e20200064	1.7	3
456	Manipulating the Epigenome in Nuclear Transfer Cloning: Where, When and How. <i>International Journal of Molecular Sciences</i> , 2020 , 22,	6.3	5
455	Use of Xenogeneic Cells 2020 , 367-412		
454	Viable pigs after simultaneous inactivation of porcine MHC class I and three xenoreactive antigen genes GGTA1, CMAH and B4GALNT2. <i>Xenotransplantation</i> , 2020 , 27, e12560	2.8	37
453	In-depth phenotyping reveals common and novel disease symptoms in a hemizygous knock-in mouse model (Mut-ko/ki) of mut-type methylmalonic aciduria. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020 , 1866, 165622	6.9	4
452	Genetic merit for fertility alters the bovine uterine luminal fluid proteome <i>Biology of Reproduction</i> , 2020 , 102, 730-739	3.9	3
451	Sex-specific programming effects of parental obesity in pre-implantation embryonic development. <i>International Journal of Obesity</i> , 2020 , 44, 1185-1190	5.5	1
450	Effect of Dietary Sodium Modulation on Pig Adrenal Steroidogenesis and Transcriptome Profiles. <i>Hypertension</i> , 2020 , 76, 1769-1777	8.5	1
449	Impact of porcine cytomegalovirus on long-term orthotopic cardiac xenotransplant survival. <i>Scientific Reports</i> , 2020 , 10, 17531	4.9	8
448	Progressive Proteome Changes in the Myocardium of a Pig Model for Duchenne Muscular Dystrophy. <i>IScience</i> , 2020 , 23, 101516	6.1	6

447	PAX6 mutation alters circadian rhythm and cell function in mice without affecting glucose tolerance. <i>Communications Biology</i> , 2020 , 3, 628	6.7	3
446	The impact of transcription inhibition during in vitro maturation on the proteome of bovine oocytes. <i>Biology of Reproduction</i> , 2020 , 103, 1000-1011	3.9	3
445	WORLDWIDE FIRST FINALIZED STUDY OF PRECLINICAL LIFE-SUPPORTING ORTHOTOPIC PIG-TO-BABOON CARDIAC XENOTRANSPLANTATION (XT): CONSTANT REPRODUCIBLE 3-MONTHS-SURVIVAL UP TO HALF A YEAR MEETS THE ISHLT GUIDELINES FOR FIRST CLINICAL TRIALS. <i>Transplantation</i> , 2020 , 104, S35-S36	1.8	
444	Chronic Hyperglycemia Drives Functional Impairment of Lymphocytes in Diabetic Transgenic Pigs. <i>Frontiers in Immunology</i> , 2020 , 11, 607473	8.4	9
443	Large Animal Models of Diabetes. <i>Methods in Molecular Biology</i> , 2020 , 2128, 115-134	1.4	4
442	Multi-omics insights into functional alterations of the liver in insulin-deficient diabetes mellitus. <i>Molecular Metabolism</i> , 2019 , 26, 30-44	8.8	18
441	Low catalytic activity is insufficient to induce disease pathology in triosephosphate isomerase deficiency. <i>Journal of Inherited Metabolic Disease</i> , 2019 , 42, 839-849	5.4	5
440	Animal models of arrhythmia: classic electrophysiology to genetically modified large animals. <i>Nature Reviews Cardiology</i> , 2019 , 16, 457-475	14.8	71
439	Relative effects of location relative to the corpus luteum and lactation on the transcriptome of the bovine oviduct epithelium. <i>BMC Genomics</i> , 2019 , 20, 233	4.5	13
438	Extract EGb 761 Improves Vestibular Compensation and Modulates Cerebral Vestibular Networks in the Rat. <i>Frontiers in Neurology</i> , 2019 , 10, 147	4.1	19
437	Dosage Compensation of the X Chromosomes in Bovine Germline, Early Embryos, and Somatic Tissues. <i>Genome Biology and Evolution</i> , 2019 , 11, 242-252	3.9	2
436	Targeting Gal epitopes for multi-species embryo immunosurgery. <i>Reproduction, Fertility and Development</i> , 2019 , 31, 820-826	1.8	
435	Genetically modified pigs as donors of cells, tissues, and organs for xenotransplantation. <i>Animal Frontiers</i> , 2019 , 9, 13-20	5.5	22
434	Transmission of Porcine Circovirus 3 (PCV3) by Xenotransplantation of Pig Hearts into Baboons. <i>Viruses</i> , 2019 , 11,	6.2	12
433	Influence of metabolic status and genetic merit for fertility on proteomic composition of bovine oviduct fluid. <i>Biology of Reproduction</i> , 2019 , 101, 893-905	3.9	6
432	Mild maternal hyperglycemia in transgenic pigs causes impaired glucose tolerance and metabolic alterations in neonatal offspring. <i>DMM Disease Models and Mechanisms</i> , 2019 , 12,	4.1	6
431	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
430	A mouse model for intellectual disability caused by mutations in the X-linked 2'-O-methyltransferase Ftsj1 gene. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019 , 1865, 2083-2093	6.9	12

429	Single-cell RNA sequencing reveals developmental heterogeneity of blastomeres during major genome activation in bovine embryos. <i>Scientific Reports</i> , 2018 , 8, 4071	4.9	18
428	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
427	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
426	Defective immuno- and thymoproteasome assembly causes severe immunodeficiency. <i>Scientific Reports</i> , 2018 , 8, 5975	4.9	6
425	Modeling lethal X-linked genetic disorders in pigs with ensured fertility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 708-713	11.5	10
424	Strong xenoprotective function by single-copy transgenes placed sequentially at a permissive locus. <i>Xenotransplantation</i> , 2018 , 25, e12382	2.8	11
423	Animal models of obesity and diabetes mellitus. <i>Nature Reviews Endocrinology</i> , 2018 , 14, 140-162	15.2	330
422	Identification of genetic elements in metabolism by high-throughput mouse phenotyping. <i>Nature Communications</i> , 2018 , 9, 288	17.4	48
421	Multiple genetically modified GTKO/hCD46/HLA-E/h β -mg porcine hearts are protected from complement activation and natural killer cell infiltration during ex vivo perfusion with human blood. <i>Xenotransplantation</i> , 2018 , 25, e12390	2.8	19
420	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
419	Release of pig leukocytes and reduced human NK cell recruitment during ex vivo perfusion of HLA-E/human CD46 double-transgenic pig limbs with human blood. <i>Xenotransplantation</i> , 2018 , 25, e12357	2.8	10
418	The Role of Fibroblast Growth Factor-Binding Protein 1 in Skin Carcinogenesis and Inflammation. <i>Journal of Investigative Dermatology</i> , 2018 , 138, 179-188	4.3	15
417	Understanding gene functions and disease mechanisms: Phenotyping pipelines in the German Mouse Clinic. <i>Behavioural Brain Research</i> , 2018 , 352, 187-196	3.4	12
416	Streptozotocin-induced β cell damage, high fat diet, and metformin administration regulate Hes3 expression in the adult mouse brain. <i>Scientific Reports</i> , 2018 , 8, 11335	4.9	3
415	Comparative aspects of early lineage specification events in mammalian embryos - insights from reverse genetics studies. <i>Cell Cycle</i> , 2018 , 17, 1688-1695	4.7	12
414	Distribution of Porcine Cytomegalovirus in Infected Donor Pigs and in Baboon Recipients of Pig Heart Transplantation. <i>Viruses</i> , 2018 , 10,	6.2	12
413	A collective diabetes cross in combination with a computational framework to dissect the genetics of human obesity and Type 2 diabetes. <i>Human Molecular Genetics</i> , 2018 , 27, 3099-3112	5.6	13
412	Dro1/Ccdc80 inactivation promotes AOM/DSS-induced colorectal carcinogenesis and aggravates colitis by DSS in mice. <i>Carcinogenesis</i> , 2018 , 39, 1176-1184	4.6	6

411	Genetically Engineered Large Animals in Biomedicine 2018 , 169-214		1
410	Recent progress in porcine islet isolation, culture and engraftment strategies for xenotransplantation. <i>Current Opinion in Organ Transplantation</i> , 2018 , 23, 633-641	2.5	16
409	Study for Comparison of CD40-mAb and CD40L-Ab Costimulation Blockade after Life-Supporting Orthotopic Cardiac Xenotransplantation of Multi-Transgenic Pig Hearts into Baboons with a Worldwide First Successful Long-Term Survival. <i>Transplantation</i> , 2018 , 102, S312	1.8	1
408	Consistent success in life-supporting porcine cardiac xenotransplantation. <i>Nature</i> , 2018 , 564, 430-433	50.4	197
407	Use of Xenogeneic Cells 2018 , 1-46		
406	Porcine endogenous retroviruses: Quantification of the copy number in cell lines, pig breeds, and organs. <i>Xenotransplantation</i> , 2018 , 25, e12445	2.8	31
405	Will Genetic Engineering Carry Xenotransplantation of Pig Islets to the Clinic?. <i>Current Diabetes Reports</i> , 2018 , 18, 103	5.6	26
404	Early weaning completely eliminates porcine cytomegalovirus from a newly established pig donor facility for xenotransplantation. <i>Xenotransplantation</i> , 2018 , 25, e12449	2.8	19
403	CD1a-Expressing Monocytes as Mediators of Inflammation in Ulcerative Colitis. <i>Inflammatory Bowel Diseases</i> , 2018 , 24, 1225-1236	4.5	11
402	Metabolic syndrome and extensive adipose tissue inflammation in morbidly obese Göttingen minipigs. <i>Molecular Metabolism</i> , 2018 , 16, 180-190	8.8	26
401	Laboratory mouse housing conditions can be improved using common environmental enrichment without compromising data. <i>PLoS Biology</i> , 2018 , 16, e2005019	9.7	28
400	Diabetes Mellitus-Induced Microvascular Destabilization in the Myocardium. <i>Journal of the American College of Cardiology</i> , 2017 , 69, 131-143	15.1	77
399	Mitochondrial Dysregulation Secondary to Endoplasmic Reticulum Stress in Autosomal Dominant Tubulointerstitial Kidney Disease - UMOD (ADTKD-UMOD). <i>Scientific Reports</i> , 2017 , 7, 42970	4.9	28
398	Modification of the fatty acid composition of an obesogenic diet improves the maternal and placental metabolic environment in obese pregnant mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017 , 1863, 1605-1614	6.9	9
397	Bezafibrate ameliorates diabetes via reduced steatosis and improved hepatic insulin sensitivity in diabetic TallyHo mice. <i>Molecular Metabolism</i> , 2017 , 6, 256-266	8.8	21
396	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
395	Retinopathy with central oedema in an INS transgenic pig model of long-term diabetes. <i>Diabetologia</i> , 2017 , 60, 1541-1549	10.3	27
394	Serum Response Factor (SRF) Ablation Interferes with Acute Stress-Associated Immediate and Long-Term Coping Mechanisms. <i>Molecular Neurobiology</i> , 2017 , 54, 8242-8262	6.2	7

393	40 Days Survival after Orthotopic Cardiac Xenotransplantation of Multi-Transgenic Pig Hearts in a Pig-to-Baboon Model with CD40mAb or CD40L Costimulation Blockade and Xenograft Preservation using Steensma Cold Blood Cardioplegia Perfusion. <i>Transplantation</i> , 2017 , 101, S65	1.8	2
392	Extensive phenotypic characterization of a new transgenic mouse reveals pleiotropic perturbations in physiology due to mesenchymal hGH minigene expression. <i>Scientific Reports</i> , 2017 , 7, 2397	4.9	1
391	Chromatin-remodeling factor SMARCD2 regulates transcriptional networks controlling differentiation of neutrophil granulocytes. <i>Nature Genetics</i> , 2017 , 49, 742-752	36.3	58
390	INS-eGFP transgenic pigs: a novel reporter system for studying maturation, growth and vascularisation of neonatal islet-like cell clusters. <i>Diabetologia</i> , 2017 , 60, 1152-1156	10.3	22
389	Direct introduction of gene constructs into the pronucleus-like structure of cloned embryos: a new strategy for the generation of genetically modified pigs. <i>Transgenic Research</i> , 2017 , 26, 309-318	3.3	6
388	lectin A (PLIA): A new probe for detecting β galactoside-terminating glycoconjugates. <i>Journal of Biological Chemistry</i> , 2017 , 292, 19935-19951	5.4	6
387	Effect of metabolic status on conceptus-maternal interactions on day 19 in dairy cattle: II. Effects on the endometrial transcriptome. <i>Biology of Reproduction</i> , 2017 , 97, 413-425	3.9	15
386	Standardized, systemic phenotypic analysis reveals kidney dysfunction as main alteration of Kctd1 mutant mice. <i>Journal of Biomedical Science</i> , 2017 , 24, 57	13.3	5
385	Genetically Tailored Pig Models for Translational Biomedical Research 2017 , 671-701		1
384	Assessment of the Anticoagulant and Anti-inflammatory Properties of Endothelial Cells Using 3D Cell Culture and Non-anticoagulated Whole Blood. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	3
383	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
382	: effects on motor phenotypes and the sensorimotor system in mice. <i>DMM Disease Models and Mechanisms</i> , 2017 , 10, 981-991	4.1	17
381	The Munich MIDY Pig Biobank - A unique resource for studying organ crosstalk in diabetes. <i>Molecular Metabolism</i> , 2017 , 6, 931-940	8.8	28
380	Surface modification of pig endothelial cells with a branched heparin conjugate improves their compatibility with human blood. <i>Scientific Reports</i> , 2017 , 7, 4450	4.9	4
379	Loss of DRO1/CCDC80 results in obesity and promotes adipocyte differentiation. <i>Molecular and Cellular Endocrinology</i> , 2017 , 439, 286-296	4.4	12
378	Effect of lactation on conceptus-maternal interactions at the initiation of implantation in cattle: I. Effects on the conceptus transcriptome and amino acid composition of the uterine luminal fluid. <i>Biology of Reproduction</i> , 2017 , 97, 798-809	3.9	7
377	Design and validation of a disease network of inflammatory processes in the NSG-UC mouse model. <i>Journal of Translational Medicine</i> , 2017 , 15, 265	8.5	12
376	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

375	Progressive muscle proteome changes in a clinically relevant pig model of Duchenne muscular dystrophy. <i>Scientific Reports</i> , 2016 , 6, 33362	4.9	33
374	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
373	Bezafibrate Improves Insulin Sensitivity and Metabolic Flexibility in STZ-Induced Diabetic Mice. <i>Diabetes</i> , 2016 , 65, 2540-52	0.9	28
372	First update of the International Xenotransplantation Association consensus statement on conditions for undertaking clinical trials of porcine islet products in type 1 diabetes--Chapter 2b: genetically modified source pigs. <i>Xenotransplantation</i> , 2016 , 23, 32-7	2.8	20
371	Efavirenz Causes Oxidative Stress, Endoplasmic Reticulum Stress, and Autophagy in Endothelial Cells. <i>Cardiovascular Toxicology</i> , 2016 , 16, 90-9	3.4	36
370	Tailored Pig Models for Preclinical Efficacy and Safety Testing of Targeted Therapies. <i>Toxicologic Pathology</i> , 2016 , 44, 346-57	2.1	34
369	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
368	Incretin actions and consequences of incretin-based therapies: lessons from complementary animal models. <i>Journal of Pathology</i> , 2016 , 238, 345-58	9.4	19
367	Exome sequencing identifies a nonsense mutation in Fam46a associated with bone abnormalities in a new mouse model for skeletal dysplasia. <i>Mammalian Genome</i> , 2016 , 27, 111-21	3.2	23
366	Tissue Sampling Guides for Porcine Biomedical Models. <i>Toxicologic Pathology</i> , 2016 , 44, 414-20	2.1	39
365	Mildly compromised tetrahydrobiopterin cofactor biosynthesis due to Pts variants leads to unusual body fat distribution and abdominal obesity in mice. <i>Journal of Inherited Metabolic Disease</i> , 2016 , 39, 309-19	5.4	8
364	SWI/SNF Protein SMARCD2 Orchestrates Transcriptional Networks Controlling Hematopoiesis and Neutrophil Granulocytes in Humans, Mice and Zebrafish. <i>Blood</i> , 2016 , 128, 2-2	2.2	1
363	Stage-dependent remodeling of the nuclear envelope and lamina during rabbit early embryonic development. <i>Journal of Reproduction and Development</i> , 2016 , 62, 127-35	2.1	6
362	Generation and Standardized, Systemic Phenotypic Analysis of Pou3f3L423P Mutant Mice. <i>PLoS ONE</i> , 2016 , 11, e0150472	3.7	9
361	Ubiquitous LEA29Y Expression Blocks T Cell Co-Stimulation but Permits Sexual Reproduction in Genetically Modified Pigs. <i>PLoS ONE</i> , 2016 , 11, e0155676	3.7	21
360	Missense Mutation of POU Domain Class 3 Transcription Factor 3 in Pou3f3L423P Mice Causes Reduced Nephron Number and Impaired Development of the Thick Ascending Limb of the Loop of Henle. <i>PLoS ONE</i> , 2016 , 11, e0158977	3.7	10
359	The First Scube3 Mutant Mouse Line with Pleiotropic Phenotypic Alterations. <i>G3: Genes, Genomes, Genetics</i> , 2016 , 6, 4035-4046	3.2	7
358	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

357	Developmental endothelial locus-1 modulates platelet-monocyte interactions and instant blood-mediated inflammatory reaction in islet transplantation. <i>Thrombosis and Haemostasis</i> , 2016 , 115, 781-8	7	29
356	Transgenic Expression of Human Thrombomodulin Inhibits HMGB1-Induced Porcine Aortic Endothelial Cell Activation. <i>Transplantation</i> , 2016 , 100, 1871-9	1.8	12
355	Current Concepts of Using Pigs as a Source for Beta-Cell Replacement Therapy of Type 1 Diabetes. <i>Current Molecular Biology Reports</i> , 2016 , 2, 73-82	2	19
354	Metamizol Relieves Pain Without Interfering With Cerulein-Induced Acute Pancreatitis in Mice. <i>Pancreas</i> , 2016 , 45, 572-8	2.6	12
353	Inhibition of complement component C5 prevents clotting in an ex vivo model of xenogeneic activation of coagulation. <i>Xenotransplantation</i> , 2016 , 23, 117-27	2.8	9
352	Progress in Clinical Encapsulated Islet Xenotransplantation. <i>Transplantation</i> , 2016 , 100, 2301-2308	1.8	72
351	A mouse model for ulcerative colitis based on NOD-scid IL2R null mice reconstituted with peripheral blood mononuclear cells from affected individuals. <i>DMM Disease Models and Mechanisms</i> , 2016 , 9, 985-97	4.1	15
350	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
349	Comparative aspects of rodent and nonrodent animal models for mechanistic and translational diabetes research. <i>Theriogenology</i> , 2016 , 86, 406-21	2.8	37
348	Growth hormone (GH)-transgenic insulin-like growth factor 1 (IGF1)-deficient mice allow dissociation of excess GH and IGF1 effects on glomerular and tubular growth. <i>Physiological Reports</i> , 2016 , 4, e12709	2.6	19
347	Viable Ednra mice feature human mandibulofacial dysostosis with alopecia (MFDA) syndrome due to the homologue mutation. <i>Mammalian Genome</i> , 2016 , 27, 587-598	3.2	3
346	Dissociation of somatic growth, time of sexual maturity, and life expectancy by overexpression of an RGD-deficient IGFBP-2 variant in female transgenic mice. <i>Aging Cell</i> , 2016 , 15, 111-7	9.9	6
345	Pillars Article: CCR7 Coordinates the Primary Immune Response by Establishing Functional Microenvironments in Secondary Lymphoid Organs. 1999. 99: 23-33. <i>Journal of Immunology</i> , 2016 , 196, 5-15	5.3	3
344	Nuclear transfer and transgenesis in the pig. <i>Methods in Molecular Biology</i> , 2015 , 1222, 37-59	1.4	41
343	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
342	Functional compensation among HMGN variants modulates the DNase I hypersensitive sites at enhancers. <i>Genome Research</i> , 2015 , 25, 1295-308	9.7	28
341	Screen for alterations of iron related parameters in N-ethyl-N-nitrosourea-treated mice identified mutant lines with increased plasma ferritin levels. <i>BioMetals</i> , 2015 , 28, 293-306	3.4	2
340	Viable pigs with a conditionally-activated oncogenic KRAS mutation. <i>Transgenic Research</i> , 2015 , 24, 509-17	3.7	24

339	Effects of the glucagon-like peptide-1 receptor agonist liraglutide in juvenile transgenic pigs modeling a pre-diabetic condition. <i>Journal of Translational Medicine</i> , 2015 , 13, 73	8.5	22
338	Inactivation of Itf2 promotes intestinal tumorigenesis in Apc(Min/+) mice. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 461, 249-53	3.4	5
337	Expression pattern of STAT5A gene during early bovine embryogenesis. <i>Zygote</i> , 2015 , 23, 307-11	1.6	0
336	Dysregulated IGFBP5 expression causes axon degeneration and motoneuron loss in diabetic neuropathy. <i>Acta Neuropathologica</i> , 2015 , 130, 373-87	14.3	18
335	Commentary on "Meta-analysis of the independent and cumulative effects of multiple genetic modifications on pig lung xenograft performance during ex vivo perfusion with human blood" (by Harris et al.): tailoring donor pigs for xenotransplantation-how to find the right combination of genetic modifications?. <i>Xenotransplantation</i> , 2015 , 22, 112-3	2.8	
334	Pigs pave a way to de novo formation of functional human kidneys. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 12905-6	11.5	10
333	Xenotransplantation of Cells, Tissues, Organs and the German Research Foundation Transregio Collaborative Research Centre 127. <i>Advances in Experimental Medicine and Biology</i> , 2015 , 865, 143-55	3.6	4
332	eIF6 coordinates insulin sensitivity and lipid metabolism by coupling translation to transcription. <i>Nature Communications</i> , 2015 , 6, 8261	17.4	60
331	Phytohemagglutinin facilitates the aggregation of blastomere pairs from Day 5 donor embryos with Day 4 host embryos for chimeric bovine embryo multiplication. <i>Theriogenology</i> , 2015 , 84, 1603-10	2.8	7
330	Uterine responses to the preattachment embryo in domestic ungulates: recognition of pregnancy and preparation for implantation. <i>Annual Review of Animal Biosciences</i> , 2015 , 3, 489-511	13.7	27
329	Proteome analysis of early lineage specification in bovine embryos. <i>Proteomics</i> , 2015 , 15, 688-701	4.8	11
328	Metformin supports the antidiabetic effect of a sodium glucose cotransporter 2 inhibitor by suppressing endogenous glucose production in diabetic mice. <i>Diabetes</i> , 2015 , 64, 284-90	0.9	29
327	Pre-clinical heterotopic intrathoracic heart xenotransplantation: a possibly useful clinical technique. <i>Xenotransplantation</i> , 2015 , 22, 427-42	2.8	20
326	Glucose tolerance tests for systematic screening of glucose homeostasis in mice. <i>Current Protocols in Mouse Biology</i> , 2015 , 5, 65-84	1.1	13
325	3D structured illumination microscopy of mammalian embryos and spermatozoa. <i>BMC Developmental Biology</i> , 2015 , 15, 46	3.1	3
324	Transgenic Expression of Human CD46 on Porcine Endothelium: Effect on Coagulation and Fibrinolytic Cascades During Ex Vivo Human-to-Pig Limb Xenoperfusions. <i>Transplantation</i> , 2015 , 99, 2061-9	1.8	9
323	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
322	Engraftment and reversal of diabetes after intramuscular transplantation of neonatal porcine islet-like clusters. <i>Xenotransplantation</i> , 2015 , 22, 443-50	2.8	17

321	Remodeling of the Nuclear Envelope and Lamina during Bovine Preimplantation Development and Its Functional Implications. <i>PLoS ONE</i> , 2015 , 10, e0124619	3.7	24
320	Genetic engineering of pigs for the creation of translational models of human pathologies. <i>Animal Frontiers</i> , 2015 , 5, 50-56	5.5	5
319	Virus safety of islet cell transplantation from transgenic pigs to marmosets. <i>Virus Research</i> , 2015 , 204, 95-102	6.4	12
318	Computed Tomography (CT) Scanning Facilitates Early Identification of Neonatal Cystic Fibrosis Piglets. <i>PLoS ONE</i> , 2015 , 10, e0143459	3.7	7
317	Stage-specific proteome signatures in early bovine embryo development. <i>Journal of Proteome Research</i> , 2014 , 13, 4363-76	5.6	38
316	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
315	Standardized, systemic phenotypic analysis of Slc12a11299F mutant mice. <i>Journal of Biomedical Science</i> , 2014 , 21, 68	13.3	4
314	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
313	Comparative and retrospective molecular analysis of Parapoxvirus (PPV) isolates. <i>Virus Research</i> , 2014 , 181, 11-21	6.4	28
312	Homologous recombination contributes to the repair of zinc-finger-nuclease induced double strand breaks in pig primary cells and facilitates recombination with exogenous DNA. <i>Journal of Biotechnology</i> , 2014 , 177, 74-81	3.7	7
311	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
310	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
309	Abnormal brain iron metabolism in Irf2 deficient mice is associated with mild neurological and behavioral impairments. <i>PLoS ONE</i> , 2014 , 9, e98072	3.7	37
308	Pleiotropic functions for transcription factor zscan10. <i>PLoS ONE</i> , 2014 , 9, e104568	3.7	12
307	Uromodulin retention in thick ascending limb of Henle's loop affects SCD1 in neighboring proximal tubule: renal transcriptome studies in mouse models of uromodulin-associated kidney disease. <i>PLoS ONE</i> , 2014 , 9, e113125	3.7	3
306	Reprogramming of fibroblast nuclei in cloned bovine embryos involves major structural remodeling with both striking similarities and differences to nuclear phenotypes of in vitro fertilized embryos. <i>Nucleus</i> , 2014 , 5, 555-89	3.9	37
305	Positional changes of a pluripotency marker gene during structural reorganization of fibroblast nuclei in cloned early bovine embryos. <i>Nucleus</i> , 2014 , 5, 542-54	3.9	9
304	Complement dependent early immunological responses during ex vivo xenoperfusion of hCD46/HLA-E double transgenic pig forelimbs with human blood. <i>Xenotransplantation</i> , 2014 , 21, 230-43	2.8	16

303	DRO1 inactivation drives colorectal carcinogenesis in ApcMin/+ mice. <i>Molecular Cancer Research</i> , 2014 , 12, 1655-62	6.6	14
302	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
301	No amelioration of uromodulin maturation and trafficking defect by sodium 4-phenylbutyrate in vivo: studies in mouse models of uromodulin-associated kidney disease. <i>Journal of Biological Chemistry</i> , 2014 , 289, 10715-10726	5.4	19
300	The ABC of BTC: structural properties and biological roles of betacellulin. <i>Seminars in Cell and Developmental Biology</i> , 2014 , 28, 42-8	7.5	17
299	Genetically engineered pig models for diabetes research. <i>Transgenic Research</i> , 2014 , 23, 27-38	3.3	60
298	Dual fluorescent reporter pig for Cre recombination: transgene placement at the ROSA26 locus. <i>PLoS ONE</i> , 2014 , 9, e102455	3.7	34
297	Analysis of the Tissue-Specific Expression Requirements and Identification of Cooperating Mutations for Leukemogenesis in an Inducible CALM/AF10 Knock-in Mouse Model. <i>Blood</i> , 2014 , 124, 126-126	2.2	
296	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
295	Clinical Chemistry and Other Laboratory Tests on Mouse Plasma or Serum. <i>Current Protocols in Mouse Biology</i> , 2013 , 3, 69-100	1.1	27
294	Blood Collection from Mice and Hematological Analyses on Mouse Blood. <i>Current Protocols in Mouse Biology</i> , 2013 , 3, 101-19	1.1	14
293	SMC6 is an essential gene in mice, but a hypomorphic mutant in the ATPase domain has a mild phenotype with a range of subtle abnormalities. <i>DNA Repair</i> , 2013 , 12, 356-66	4.3	22
292	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
291	Genetically Tailored Pig Models for Translational Biomedical Research 2013 , 785-809		1
290	Permanent neonatal diabetes in INS(C94Y) transgenic pigs. <i>Diabetes</i> , 2013 , 62, 1505-11	0.9	78
289	Phenotypic comparison of common mouse strains developing high-fat diet-induced hepatosteatosis. <i>Molecular Metabolism</i> , 2013 , 2, 435-46	8.8	44
288	Increased activation of the epidermal growth factor receptor in transgenic mice overexpressing epigen causes peripheral neuropathy. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013 , 1832, 2068-76	6.9	8
287	Genetic deletion of the EGFR ligand epigen does not affect mouse embryonic development and tissue homeostasis. <i>Experimental Cell Research</i> , 2013 , 319, 529-35	4.2	15
286	An ENU mutagenesis-derived mouse model with a dominant Jak1 mutation resembling phenotypes of systemic autoimmune disease. <i>American Journal of Pathology</i> , 2013 , 183, 352-68	5.8	16

285	NOD-scid IL2R ^{hull} mice engrafted with human peripheral blood mononuclear cells as a model to test therapeutics targeting human signaling pathways. <i>Journal of Translational Medicine</i> , 2013 , 11, 4	8.5	8
284	Modeling hepatic osteodystrophy in Abcb4 deficient mice. <i>Bone</i> , 2013 , 55, 501-11	4.7	13
283	Immune aspects of embryo-maternal cross-talk in the bovine uterus. <i>Journal of Reproductive Immunology</i> , 2013 , 97, 20-6	4.2	28
282	Type of uromodulin mutation and allelic status influence onset and severity of uromodulin-associated kidney disease in mice. <i>Human Molecular Genetics</i> , 2013 , 22, 4148-63	5.6	23
281	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
280	Cytoplasmic mislocalization of POU3F4 due to novel mutations leads to deafness in humans and mice. <i>Human Mutation</i> , 2013 , 34, 1102-10	4.7	15
279	Advanced transgenic strategies for modification of donor pigs in xenotransplantation. <i>Xenotransplantation</i> , 2013 , 20, 43-44	2.8	
278	Ligand-independent epidermal growth factor receptor hyperactivation increases sebaceous gland size and sebum secretion in mice. <i>Experimental Dermatology</i> , 2013 , 22, 667-9	4	18
277	High mobility group N proteins modulate the fidelity of the cellular transcriptional profile in a tissue- and variant-specific manner. <i>Journal of Biological Chemistry</i> , 2013 , 288, 16690-16703	5.4	26
276	Activation of the lectin pathway of complement in pig-to-human xenotransplantation models. <i>Transplantation</i> , 2013 , 96, 791-9	1.8	15
275	Tissue-specific and minor inter-individual variation in imprinting of IGF2R is a common feature of <i>Bos taurus</i> Concepti and not correlated with fetal weight. <i>PLoS ONE</i> , 2013 , 8, e59564	3.7	11
274	Mouse nuclear myosin I knock-out shows interchangeability and redundancy of myosin isoforms in the cell nucleus. <i>PLoS ONE</i> , 2013 , 8, e61406	3.7	26
273	Standardized, systemic phenotypic analysis of Umod(C93F) and Umod(A227T) mutant mice. <i>PLoS ONE</i> , 2013 , 8, e78337	3.7	8
272	A broad phenotypic screen identifies novel phenotypes driven by a single mutant allele in Huntington's disease CAG knock-in mice. <i>PLoS ONE</i> , 2013 , 8, e80923	3.7	30
271	Induction of oxazolone-mediated features of atopic dermatitis in NOD-scid IL2R ^{hull} mice engrafted with human peripheral blood mononuclear cells. <i>DMM Disease Models and Mechanisms</i> , 2013 , 6, 125-34	4.1	14
270	Rapamycin extends murine lifespan but has limited effects on aging. <i>Journal of Clinical Investigation</i> , 2013 , 123, 3272-91	15.9	267
269	Does enamelin have pleiotropic effects on organs other than the teeth? Lessons from a phenotyping screen of two enamelin-mutant mouse lines. <i>European Journal of Oral Sciences</i> , 2012 , 120, 269-77	2.3	5
268	Systematic design, production and breeding of multi-transgenic donor pigs. <i>Xenotransplantation</i> , 2012 , 19, 14-14	2.8	

267	Transplantation of neonatal islets from LEA29Y-transgenic pigs restores normoglycemia in streptozotocin-diabetic NSG-mice. <i>Xenotransplantation</i> , 2012 , 19, 10-10	2.8	
266	Human TNF-related apoptosis-inducing ligand-expressing dendritic cells from transgenic pigs attenuate human xenogeneic T cell responses. <i>Xenotransplantation</i> , 2012 , 19, 40-51	2.8	15
265	Clinical chemistry of human FcRn transgenic mice. <i>Mammalian Genome</i> , 2012 , 23, 259-69	3.2	27
264	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
263	Lack of Pur-alpha alters postnatal brain development and causes megalencephaly. <i>Human Molecular Genetics</i> , 2012 , 21, 473-84	5.6	46
262	The hepatic phosphatidylcholine transporter ABCB4 as modulator of glucose homeostasis. <i>FASEB Journal</i> , 2012 , 26, 5081-91	0.9	19
261	Innovations in phenotyping of mouse models in the German Mouse Clinic. <i>Mammalian Genome</i> , 2012 , 23, 611-22	3.2	35
260	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
259	First inducible transgene expression in porcine large animal models. <i>FASEB Journal</i> , 2012 , 26, 1086-99	0.9	52
258	Mouse Genetics and Metabolic Mouse Phenotyping 2012 , 85-106		1
257	Negative feedback mechanisms surpass the effect of intrinsic EGFR activation during skin chemical carcinogenesis. <i>American Journal of Pathology</i> , 2012 , 180, 1378-85	5.8	6
256	A new mouse model for studying EGFR-dependent gastric polyps. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012 , 1822, 1293-9	6.9	8
255	Normal epidermal growth factor receptor signaling is dispensable for bone anabolic effects of parathyroid hormone. <i>Bone</i> , 2012 , 50, 237-44	4.7	11
254	Potential of primary kidney cells for somatic cell nuclear transfer mediated transgenesis in pig. <i>BMC Biotechnology</i> , 2012 , 12, 84	3.5	38
253	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
252	A porcine model of familial adenomatous polyposis. <i>Gastroenterology</i> , 2012 , 143, 1173-1175.e7	13.3	86
251	In-vivo biodegradation of extruded lipid implants in rabbits. <i>Journal of Controlled Release</i> , 2012 , 163, 195-202	11.7	12
250	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

249	A transgenic mouse line expressing cre recombinase in pancreatic β cells. <i>Genesis</i> , 2012 , 50, 437-42	1.9	6
248	New mouse models for metabolic bone diseases generated by genome-wide ENU mutagenesis. <i>Mammalian Genome</i> , 2012 , 23, 416-30	3.2	26
247	Hosting the preimplantation embryo: potentials and limitations of different approaches for analysing embryo-endometrium interactions in cattle. <i>Reproduction, Fertility and Development</i> , 2012 , 25, 62-70	1.8	11
246	Neurobeachin, a regulator of synaptic protein targeting, is associated with body fat mass and feeding behavior in mice and body-mass index in humans. <i>PLoS Genetics</i> , 2012 , 8, e1002568	6	28
245	Cytomegalovirus replicon-based regulation of gene expression in vitro and in vivo. <i>PLoS Pathogens</i> , 2012 , 8, e1002728	7.6	7
244	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
243	Changing metabolic signatures of amino acids and lipids during the prediabetic period in a pig model with impaired incretin function and reduced β cell mass. <i>Diabetes</i> , 2012 , 61, 2166-75	0.9	40
242	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
241	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
240	Inactivation and inducible oncogenic mutation of p53 in gene targeted pigs. <i>PLoS ONE</i> , 2012 , 7, e43323	3.7	57
239	The endocytic adaptor Eps15 controls marginal zone B cell numbers. <i>PLoS ONE</i> , 2012 , 7, e50818	3.7	15
238	Molecular Networks as Sensors and Drivers of Uterine Receptivity in Livestock 2011 , 161-190		1
237	Formation of nucleoli in interspecies nuclear transfer embryos derived from bovine, porcine, and rabbit oocytes and nuclear donor cells of various species. <i>Reproduction</i> , 2011 , 141, 453-65	3.8	27
236	The German Mouse Clinic [Running an Open Access Platform 2011 , 11-44		2
235	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
234	Mouse phenotyping. <i>Methods</i> , 2011 , 53, 120-35	4.6	103
233	Cell arrest and cell death in mammalian preimplantation development: lessons from the bovine model. <i>PLoS ONE</i> , 2011 , 6, e22121	3.7	40
232	Decreased incidence of papillomas in mice with impaired EGFR function during multi-stage skin carcinogenesis. <i>Experimental Dermatology</i> , 2011 , 20, 290-3	4	6

231	Genomic integration of adenoviral gene transfer vectors following transduction of fertilized mouse oocytes. <i>Transgenic Research</i> , 2011 , 20, 123-35	3.3	4
230	Generation of N-ethyl-N-nitrosourea-induced mouse mutants with deviations in hematological parameters. <i>Mammalian Genome</i> , 2011 , 22, 495-505	3.2	18
229	Zielgerichtete Mutationen zur Erzeugung von Großtiermodellen. <i>BioSpektrum</i> , 2011 , 17, 541-544	0.1	
228	A novel N-ethyl-N-nitrosourea-induced mutation in phospholipase C α causes inflammatory arthritis, metabolic defects, and male infertility in vitro in a murine model. <i>Arthritis and Rheumatism</i> , 2011 , 63, 1301-11		33
227	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
226	In vivo evidence for epidermal growth factor receptor (EGFR)-mediated release of prolactin from the pituitary gland. <i>Journal of Biological Chemistry</i> , 2011 , 286, 39297-306	5.4	8
225	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
224	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
223	Reduced amino acids in the bovine uterine lumen of cloned versus in vitro fertilized pregnancies prior to implantation. <i>Cellular Reprogramming</i> , 2011 , 13, 403-10	2.1	17
222	Increase of essential amino acids in the bovine uterine lumen during preimplantation development. <i>Reproduction</i> , 2011 , 141, 685-95	3.8	59
221	Postnatal development of numbers and mean sizes of pancreatic islets and beta-cells in healthy mice and GIPR(dn) transgenic diabetic mice. <i>PLoS ONE</i> , 2011 , 6, e22814	3.7	27
220	A key role for E-cadherin in intestinal homeostasis and Paneth cell maturation. <i>PLoS ONE</i> , 2010 , 5, e143257	3.7	125
219	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
218	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
217	Epigen transgenic mice develop enlarged sebaceous glands. <i>Journal of Investigative Dermatology</i> , 2010 , 130, 623-6	4.3	28
216	Mutation of the Na(+)-K(+)-2Cl(-) cotransporter NKCC2 in mice is associated with severe polyuria and a urea-selective concentrating defect without hyperreninemia. <i>American Journal of Physiology - Renal Physiology</i> , 2010 , 298, F1405-15	4.3	31
215	Differential endometrial gene expression in pregnant and nonpregnant sows. <i>Biology of Reproduction</i> , 2010 , 83, 277-85	3.9	79
214	Betacellulin protects from pancreatitis by activating stress-activated protein kinase. <i>Gastroenterology</i> , 2010 , 138, 1585-94, 1594.e1-3	13.3	14

213	Specific transgene expression in mouse pancreatic beta-cells under the control of the porcine insulin promoter. <i>Molecular and Cellular Endocrinology</i> , 2010 , 315, 219-24	4.4	10
212	Quantification of leukocyte genomic 5-methylcytosine levels reveals epigenetic plasticity in healthy adult cloned cattle. <i>Cellular Reprogramming</i> , 2010 , 12, 175-81	2.1	21
211	Transgenic pigs for xenotransplantation: selection of promoter sequences for reliable transgene expression. <i>Current Opinion in Organ Transplantation</i> , 2010 , 15, 201-6	2.5	21
210	Genetic modification of pigs as organ donors for xenotransplantation. <i>Molecular Reproduction and Development</i> , 2010 , 77, 209-21	2.6	128
209	Transgenic pigs as models for translational biomedical research. <i>Journal of Molecular Medicine</i> , 2010 , 88, 653-64	5.5	182
208	Microphthalmia, parkinsonism, and enhanced nociception in Pitx3 (416insG) mice. <i>Mammalian Genome</i> , 2010 , 21, 13-27	3.2	31
207	Germ-line transmission of lentiviral PGK-EGFP integrants in transgenic cattle: new perspectives for experimental embryology. <i>Transgenic Research</i> , 2010 , 19, 549-56	3.3	22
206	Escherichia coli infection induces distinct local and systemic transcriptome responses in the mammary gland. <i>BMC Genomics</i> , 2010 , 11, 138	4.5	94
205	EGFR ligands exert diverging effects on male reproductive organs. <i>Experimental and Molecular Pathology</i> , 2010 , 88, 216-8	4.4	2
204	Loss of the actin remodeler Eps8 causes intestinal defects and improved metabolic status in mice. <i>PLoS ONE</i> , 2010 , 5, e9468	3.7	39
203	RNAseq Analysis of the Bovine Endometrium Transcriptome During the Pre-Implantation Phase.. <i>Biology of Reproduction</i> , 2010 , 83, 473-473	3.9	
202	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
201	A new Fgf10 mutation in the mouse leads to atrophy of the harderian gland and slit-eye phenotype in heterozygotes: a novel model for dry-eye disease? 2009 , 50, 4311-8		10
200	Dll1 haploinsufficiency in adult mice leads to a complex phenotype affecting metabolic and immunological processes. <i>PLoS ONE</i> , 2009 , 4, e6054	3.7	12
199	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
198	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
197	Clinical chemistry of congenic mice with quantitative trait loci for predicted responses to Trypanosoma congolense infection. <i>Infection and Immunity</i> , 2009 , 77, 3948-57	3.7	7
196	Decreased p44/42 mitogen-activated protein kinase phosphorylation in gender- or hormone-related but not during age-related adrenal gland growth in mice. <i>Endocrinology</i> , 2009 , 150, 1269-77	4.8	6

195	Novel missense mutation of uromodulin in mice causes renal dysfunction with alterations in urea handling, energy, and bone metabolism. <i>American Journal of Physiology - Renal Physiology</i> , 2009 , 297, F1391-8	4.3	35
194	Chronic growth hormone excess is associated with increased aldosterone: a study in patients with acromegaly and in growth hormone transgenic mice. <i>Experimental Biology and Medicine</i> , 2009 , 234, 1002-37	2.7	23
193	Maternal inexperience as a risk factor of innate fear and PTSD-like symptoms in mice. <i>Journal of Psychiatric Research</i> , 2009 , 43, 1156-65	5.2	23
192	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
191	The C-terminal cytoplasmic domain of human proEGF is a negative modulator of body and organ weights in transgenic mice. <i>FEBS Letters</i> , 2009 , 583, 1349-57	3.8	3
190	IGFBP-2 overexpression reduces the appearance of dysplastic aberrant crypt foci and inhibits growth of adenomas in chemically induced colorectal carcinogenesis. <i>International Journal of Cancer</i> , 2009 , 124, 2220-5	7.5	32
189	The epidermal growth factor receptor ligands at a glance. <i>Journal of Cellular Physiology</i> , 2009 , 218, 460-67	6	301
188	Highly sensitive saturation labeling reveals changes in abundance of cell cycle-associated proteins and redox enzyme variants during oocyte maturation in vitro. <i>Proteomics</i> , 2009 , 9, 550-64	4.8	29
187	N-ethyl-N-nitrosourea mutagenesis produced a small number of mice with altered plasma electrolyte levels. <i>Journal of Biomedical Science</i> , 2009 , 16, 53	13.3	3
186	Generation of N-ethyl-N-nitrosourea-induced mouse mutants with deviations in plasma enzyme activities as novel organ-specific disease models. <i>Experimental Physiology</i> , 2009 , 94, 412-21	2.4	15
185	Distribution and expression of porcine endogenous retroviruses in multi-transgenic pigs generated for xenotransplantation. <i>Xenotransplantation</i> , 2009 , 16, 64-73	2.8	65
184	High cortical bone mass phenotype in betacellulin transgenic mice is EGFR dependent. <i>Journal of Bone and Mineral Research</i> , 2009 , 24, 455-67	6.3	30
183	A humanized version of Foxp2 affects cortico-basal ganglia circuits in mice. <i>Cell</i> , 2009 , 137, 961-71	56.2	427
182	Scrapie-infected transgenic mice expressing a laminin receptor decoy mutant reveal a prolonged incubation time associated with low levels of PrPres. <i>Journal of Molecular Biology</i> , 2009 , 388, 721-9	6.5	13
181	Reprogramming of active and repressive histone modifications following nuclear transfer with rabbit mesenchymal stem cells and adult fibroblasts. <i>Cloning and Stem Cells</i> , 2009 , 11, 319-29		12
180	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
179	Systemic first-line phenotyping. <i>Methods in Molecular Biology</i> , 2009 , 530, 463-509	1.4	67
178	Betacellulin regulates hair follicle development and hair cycle induction and enhances angiogenesis in wounded skin. <i>Journal of Investigative Dermatology</i> , 2008 , 128, 1256-65	4.3	27

177	Betacellulin stimulates growth of the mouse intestinal epithelium and increases adenoma multiplicity in Apc+/Min mice. <i>FEBS Letters</i> , 2008 , 582, 2911-5	3.8	14
176	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
175	Diets influence the diabetic phenotype of transgenic mice expressing a dominant negative glucose-dependent insulintropic polypeptide receptor (GIPRdn). <i>Regulatory Peptides</i> , 2008 , 146, 260-70		4
174	The epidermal growth factor receptor and its ligands in female reproduction: insights from rodent models. <i>Cytokine and Growth Factor Reviews</i> , 2008 , 19, 173-81	17.9	32
173	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
172	ER stress-mediated apoptosis in a new mouse model of osteogenesis imperfecta. <i>PLoS Genetics</i> , 2008 , 4, e7	6	111
171	Diabetes models by screen for hyperglycemia in phenotype-driven ENU mouse mutagenesis projects. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008 , 294, E232-40	6	23
170	Canine embryo-derived stem cells and models for human diseases. <i>Human Molecular Genetics</i> , 2008 , 17, R42-7	5.6	42
169	Betacellulin overexpression in the mouse ovary leads to MAPK3/MAPK1 hyperactivation and reduces litter size by impairing fertilization. <i>Biology of Reproduction</i> , 2008 , 78, 43-52	3.9	16
168	Dynamic changes in messenger RNA profiles of bovine endometrium during the oestrous cycle. <i>Reproduction</i> , 2008 , 135, 225-40	3.8	94
167	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
166	Mutation in a novel connexin-like gene (Gjf1) in the mouse affects early lens development and causes a variable small-eye phenotype. <i>Investigative Ophthalmology and Visual Science</i> , 2008 , 49, 1525-32		22
165	Systemic overexpression of growth hormone (GH) in transgenic FVB/N inbred mice: an optimized model for holistic studies of molecular mechanisms underlying GH-induced kidney pathology. <i>Transgenic Research</i> , 2008 , 17, 479-88	3.3	6
164	Transgene Schweinemodelle für translationale Forschung in der Medizin. <i>Journal Fur Verbraucherschutz Und Lebensmittelsicherheit</i> , 2008 , 3, 33-40	2.3	
163	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
162	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
161	Pleiotropic effects in Eya3 knockout mice. <i>BMC Developmental Biology</i> , 2008 , 8, 118	3.1	32
160	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

159	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
158	Strategies to overcome cellular rejection of pig-to-primate xenografts [The next steps]. <i>Xenotransplantation</i> , 2007 , 14, 371-372	2.8	3
157	The bioactive lipid sphingosylphosphorylcholine induces differentiation of mouse embryonic stem cells and human promyelocytic leukaemia cells. <i>Cellular Signalling</i> , 2007 , 19, 367-77	4.9	38
156	Generation of ENU-induced mouse mutants with hypocholesterolemia: novel tools for dissecting plasma lipoprotein homeostasis. <i>Lipids</i> , 2007 , 42, 731-7	1.6	5
155	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
154	Screening for increased plasma urea levels in a large-scale ENU mouse mutagenesis project reveals kidney disease models. <i>American Journal of Physiology - Renal Physiology</i> , 2007 , 292, F1560-7	4.3	19
153	Quantitative monitoring of pluripotency gene activation after somatic cloning in cattle. <i>Biology of Reproduction</i> , 2007 , 76, 983-91	3.9	38
152	Postnatally elevated levels of insulin-like growth factor (IGF)-II fail to rescue the dwarfism of IGF-I-deficient mice except kidney weight. <i>Endocrinology</i> , 2007 , 148, 441-51	4.8	31
151	Dominant-negative effects of a novel mutated Ins2 allele causes early-onset diabetes and severe beta-cell loss in Munich Ins2C95S mutant mice. <i>Diabetes</i> , 2007 , 56, 1268-76	0.9	116
150	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
149	A genetic screen for modifiers of the delta1-dependent notch signaling function in the mouse. <i>Genetics</i> , 2007 , 175, 1451-63	4	22
148	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
147	Physiologic systemic iron metabolism in mice deficient for duodenal Hfe. <i>Blood</i> , 2007 , 109, 4511-7	2.2	62
146	Effect of macrophage ApoE on atherosclerosis in LDL-receptor deficient mice. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 361, 574-9	3.4	5
145	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
144	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
143	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
142	Generation and characterization of dickkopf3 mutant mice. <i>Molecular and Cellular Biology</i> , 2006 , 26, 2317-26	7.8	77

141	IGF-II transgenic mice display increased aberrant colon crypt multiplicity and tumor volume after 1,2-dimethylhydrazine treatment. <i>Journal of Carcinogenesis</i> , 2006 , 5, 24	1.9	12
140	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
139	Epigenetic regulation of lentiviral transgene vectors in a large animal model. <i>Molecular Therapy</i> , 2006 , 13, 59-66	11.7	94
138	Peroxiredoxin 6 is a potent cytoprotective enzyme in the epidermis. <i>American Journal of Pathology</i> , 2006 , 169, 1194-205	5.8	89
137	The variability of ovum pick-up response and in vitro embryo production from monozygotic twin cows. <i>Theriogenology</i> , 2006 , 65, 573-83	2.8	28
136	Evaluation of laser-assisted lentiviral transgenesis in bovine. <i>Transgenic Research</i> , 2006 , 15, 447-54	3.3	13
135	Phenotype analysis of mice deficient in the peptide transporter PEPT2 in response to alterations in dietary protein intake. <i>Pflugers Archiv European Journal of Physiology</i> , 2006 , 452, 300-6	4.6	16
134	Genotype-specific environmental impact on the variance of blood values in inbred and F1 hybrid mice. <i>Mammalian Genome</i> , 2006 , 17, 93-102	3.2	26
133	Molekulare Mechanismen der Wachstumswirkung des IGF-Systems 2006 , 109-132		
132	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
131	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
130	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
129	Expression of biologically active human TRAIL in transgenic pigs. <i>Transplantation</i> , 2005 , 80, 222-30	1.8	53
128	Genotyping of transgenic mice: old principles and recent developments. <i>Analytical Biochemistry</i> , 2005 , 344, 1-7	3.1	11
127	Introducing the German Mouse Clinic: open access platform for standardized phenotyping. <i>Nature Methods</i> , 2005 , 2, 403-4	21.6	148
126	Transcriptome analysis of a human colorectal cancer cell line shows molecular targets of insulin-like growth factor-binding protein-4 overexpression. <i>International Journal of Cancer</i> , 2005 , 113, 588-99	7.5	3
125	Genetische Prädispositionen für erhöhte Blutcholesterinwerte im Mausmodell. <i>Biologie in Unserer Zeit</i> , 2005 , 35, 14-15	0.1	
124	Functional consequences of IGFBP excess-lessons from transgenic mice. <i>Pediatric Nephrology</i> , 2005 , 20, 269-78	3.2	15

123	Holistic differential analysis of embryo-induced alterations in the proteome of bovine endometrium in the preattachment period. <i>Proteomics</i> , 2005 , 5, 2551-60	4.8	34
122	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
121	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
120	Three novel Pax6 alleles in the mouse leading to the same small-eye phenotype caused by different consequences at target promoters. <i>Investigative Ophthalmology and Visual Science</i> , 2005 , 46, 4671-83		37
119	Large-scale albuminuria screen for nephropathy models in chemically induced mouse mutants. <i>Nephron Experimental Nephrology</i> , 2005 , 100, e143-9		4
118	Mitochondria and the success of somatic cell nuclear transfer cloning: from nuclear-mitochondrial interactions to mitochondrial complementation and mitochondrial DNA recombination. <i>Reproduction, Fertility and Development</i> , 2005 , 17, 69-83	1.8	38
117	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
116	Nuclear-cytoplasmic interactions affect in utero developmental capacity, phenotype, and cellular metabolism of bovine nuclear transfer fetuses. <i>Biology of Reproduction</i> , 2004 , 70, 1196-205	3.9	32
115	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
114	Hypercholesterolemia in ENU-induced mouse mutants. <i>Journal of Lipid Research</i> , 2004 , 45, 2132-7	6.3	18
113	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
112	Insulin-like growth factor (IGF)-binding protein-4 inhibits colony formation of colorectal cancer cells by IGF-independent mechanisms. <i>Cancer Research</i> , 2004 , 64, 1600-3	10.1	22
111	Targeted disruption of the Walker-Warburg syndrome gene Pomt1 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
110	Generation of transgenic cattle by lentiviral gene transfer into oocytes. <i>Biology of Reproduction</i> , 2004 , 71, 405-9	3.9	125
109	Transgenic mice reveal novel activities of growth hormone in wound repair, angiogenesis, and myofibroblast differentiation. <i>Journal of Biological Chemistry</i> , 2004 , 279, 26674-84	5.4	38
108	Growth selection in mice reveals conserved and redundant expression patterns of the insulin-like growth factor system. <i>General and Comparative Endocrinology</i> , 2004 , 136, 248-59	3	13
107	Knock-down of the 37-kDa/67-kDa laminin receptor in mouse brain by transgenic expression of specific antisense LRP RNA. <i>Transgenic Research</i> , 2004 , 13, 81-5	3.3	15
106	Longitudinal in vivo effects of growth hormone overexpression on bone in transgenic mice. <i>Journal of Bone and Mineral Research</i> , 2004 , 19, 802-10	6.3	11

105	Effects of growth hormone on the ultrastructure of bovine preimplantation embryos. <i>Cell and Tissue Research</i> , 2004 , 317, 101-8	4.2	16
104	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
103	Maternal-fetal transplacental leakage of mitochondrial DNA in bovine nuclear transfer pregnancies: potential implications for offspring and recipients. <i>Cloning and Stem Cells</i> , 2004 , 6, 150-6		20
102	Tumor galectinology: insights into the complex network of a family of endogenous lectins. <i>Glycoconjugate Journal</i> , 2004 , 20, 227-38	3	110
101	Expression of dystrophin driven by the 1.35-kb MCK promoter ameliorates muscular dystrophy in fast, but not in slow muscles of transgenic mdx mice. <i>Molecular Therapy</i> , 2003 , 8, 80-9	11.7	37
100	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
99	Developmental regulation of hyaluronan-binding protein (RHAMM/IHABP) expression in early bovine embryos. <i>Biology of Reproduction</i> , 2003 , 68, 60-6	3.9	26
98	Molecular biological fingerprinting of human lectin expression by RT-PCR. <i>Methods in Enzymology</i> , 2003 , 362, 287-97	1.7	2
97	Epigenetic marking correlates with developmental potential in cloned bovine preimplantation embryos. <i>Current Biology</i> , 2003 , 13, 1116-21	6.3	458
96	Epigenetic reprogramming in mammalian nuclear transfer. <i>Differentiation</i> , 2003 , 71, 91-113	3.5	109
95	Efficient transgenesis in farm animals by lentiviral vectors. <i>EMBO Reports</i> , 2003 , 4, 1054-60	6.5	220
94	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
93	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
92	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
91	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
90	Efficient transgenesis in farm animals by lentiviral vectors. <i>EMBO Reports</i> , 2003 , 4, 1054-1058	6.5	83
89	V76D mutation in a conserved gD-crystallin region leads to dominant cataracts in mice. <i>Mammalian Genome</i> , 2002 , 13, 452-5	3.2	21
88	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

87	Effects of bovine serum albumin and estrous cow serum on development and ultrastructure of in vitro-produced porcine embryos. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2002 , 31, 151-7	1.1	6
86	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
85	Expression of the vascular endothelial growth factor and its receptors and effects of VEGF during in vitro maturation of bovine cumulus-oocyte complexes (COC). <i>Molecular Reproduction and Development</i> , 2002 , 62, 29-36	2.6	36
84	Growth hormone inhibits apoptosis in in vitro produced bovine embryos. <i>Molecular Reproduction and Development</i> , 2002 , 61, 180-6	2.6	49
83	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
82	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
81	Diethylnitrosamine induces long-lasting re-expression of insulin-like growth factor II during early stages of liver carcinogenesis in mice. <i>Growth Hormone and IGF Research</i> , 2002 , 12, 69-79	2	13
80	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
79	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
78	Remodeling of donor nuclei, DNA-synthesis, and ploidy of bovine cumulus cell nuclear transfer embryos: effect of activation protocol. <i>Molecular Reproduction and Development</i> , 2001 , 59, 371-9	2.6	31
77	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
76	Enu mouse mutagenesis: generation of mouse mutants with aberrant plasma IgE levels. <i>International Archives of Allergy and Immunology</i> , 2001 , 124, 25-8	3.7	13
75	Growth hormone (GH)/GH receptor expression and GH-mediated effects during early bovine embryogenesis. <i>Biology of Reproduction</i> , 2001 , 64, 1826-34	3.9	37
74	Energy status of nonmatured and in vitro-matured domestic cat oocytes and of different stages of in vitro-produced embryos: enzymatic removal of the zona pellucida increases adenosine triphosphate content and total cell number of blastocysts. <i>Biology of Reproduction</i> , 2001 , 65, 793-8	3.9	26
73	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
72	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
71	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
70	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

69	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
68	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
67	Genome-wide search for loci controlling serum IGF binding protein levels of mice. <i>FASEB Journal</i> , 2001 , 15, 978-987	0.9	1
66	EthylNitrosourea-induced mutation in mice leads to the expression of a novel protein in the eye and to dominant cataracts. <i>Genetics</i> , 2001 , 157, 1313-20	4	10
65	Activation of bovine oocytes by specific inhibition of cyclin-dependent kinases. <i>Molecular Reproduction and Development</i> , 2000 , 55, 422-32	2.6	25
64	Mitochondrial DNA heteroplasmy in cloned cattle produced by fetal and adult cell cloning. <i>Nature Genetics</i> , 2000 , 25, 255-7	36.3	147
63	Genome-wide, large-scale production of mutant mice by ENU mutagenesis. <i>Nature Genetics</i> , 2000 , 25, 444-7	36.3	578
62	Large-Scale N-Ethyl-N-Nitrosourea Mutagenesis of Mice [From Phenotypes to Genes. <i>Experimental Physiology</i> , 2000 , 85, 635-643	2.4	
61	Transgenic Technology in Farm Animals [Progress and Perspectives. <i>Experimental Physiology</i> , 2000 , 85, 615-625	2.4	32
60	Behavior of M-phase synchronized blastomeres after nuclear transfer in cattle. <i>Molecular Reproduction and Development</i> , 2000 , 57, 37-47	2.6	19
59	The large-scale Munich ENU-mouse-mutagenesis screen. <i>Mammalian Genome</i> , 2000 , 11, 507-10	3.2	32
58	Identification of immunological relevant phenotypes in ENU mutagenized mice. <i>Mammalian Genome</i> , 2000 , 11, 526-7	3.2	21
57	Screening for dysmorphological abnormalities--a powerful tool to isolate new mouse mutants. <i>Mammalian Genome</i> , 2000 , 11, 528-30	3.2	36
56	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
55	The biochemical metabolite screen in the Munich ENU Mouse Mutagenesis Project: determination of amino acids and acylcarnitines by tandem mass spectrometry. <i>Mammalian Genome</i> , 2000 , 11, 547-51	3.2	27
54	Embryonale Stammzellen und Strategien des Zellkerntransfers. <i>Reproduktionsmedizin</i> , 2000 , 16, 37-42		
53	Large-scale N-ethyl-N-nitrosourea mutagenesis of mice - from phenotypes to genes. <i>Experimental Physiology</i> , 2000 , 85, 635-643	2.4	16
52	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

51	Partial leptin receptor gene deletion in transgenic mice prevents expression of the membrane-bound isoforms except for Ob-Rc. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 269, 496-501	3.4	7
50	Contrasting obesity phenotypes uncovered by partial leptin receptor gene deletion in transgenic mice. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 269, 502-7	3.4	3
49	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
48	Interleukin-6 stimulates clonogenic growth of primary and metastatic human colon carcinoma cells. <i>Cancer Letters</i> , 2000 , 151, 31-8	9.9	131
47	Transgenic Technology in Farm Animals [Progress and Perspectives 2000 , 85, 615		26
46	Behavior of M-phase synchronized blastomeres after nuclear transfer in cattle 2000 , 57, 37		6
45	The Use of Transgenic Animals in the European Union: The Report and Recommendations of ECVAM Workshop 281,2. <i>ATLA Alternatives To Laboratory Animals</i> , 1999 , 27, 21-43	2.1	2
44	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
43	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
42	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
41	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
40	Overgrowth of skin in growth hormone transgenic mice depends on the presence of male gonads. <i>Journal of Investigative Dermatology</i> , 1999 , 113, 967-71	4.3	17
39	Potential of fetal germ cells for nuclear transfer in cattle. <i>Molecular Reproduction and Development</i> , 1999 , 52, 421-6	2.6	54
38	Chimeric pigs following blastocyst injection of transgenic porcine primordial germ cells. <i>Molecular Reproduction and Development</i> , 1999 , 54, 244-54	2.6	65
37	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
36	A non-destructive technique for 3-D microstructural phenotypic characterisation of bones in genetically altered mice: preliminary data in growth hormone transgenic animals and normal controls. <i>Anatomy and Embryology</i> , 1999 , 199, 239-48		21
35	CCR7 coordinates the primary immune response by establishing functional microenvironments in secondary lymphoid organs. <i>Cell</i> , 1999 , 99, 23-33	56.2	1889
34	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

33	Species-specific alternative splicing of transgenic RNA in the mammary glands of pigs, rabbits, and mice. <i>Biochemical and Biophysical Research Communications</i> , 1999 , 257, 843-50	3.4	10
32	Identification of transgenic mice by direct PCR analysis of lysates of epithelial cells obtained from the inner surface of the rectum. <i>Transgenic Research</i> , 1998 , 7, 131-4	3.3	14
31	Stable production of human insulin-like growth factor 1 (IGF-1) in the milk of hemi- and homozygous transgenic rabbits over several generations. <i>Transgenic Research</i> , 1998 , 7, 437-47	3.3	37
30	Effect of chronic GH overproduction on cardiac ANP expression and circulating ANP levels. <i>Molecular and Cellular Endocrinology</i> , 1998 , 144, 109-18	4.4	10
29	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
28	Composition of parental mitochondrial DNA in cloned bovine embryos. <i>FEBS Letters</i> , 1998 , 426, 352-6	3.8	50
27	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
26	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
25	Nuclear transfer in mammals: recent developments and future perspectives. <i>Journal of Biotechnology</i> , 1998 , 65, 99-110	3.7	50
24	Growth factors and components for extracellular proteolysis are differentially expressed during in vitro maturation of bovine cumulus-oocyte complexes. <i>Biology of Reproduction</i> , 1998 , 59, 801-6	3.9	14
23	Primary culture of porcine PGCs requires LIF and porcine membrane-bound stem cell factor. <i>Zygote</i> , 1998 , 6, 271-5	1.6	23
22	The Use of Transgenic Animals in the European Union: The Report and Recommendations of ECVAM Workshop 281,2. <i>ATLA Alternatives To Laboratory Animals</i> , 1998 , 26, 21-43	2.1	8
21	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
20	Karyoplast-cytoplasm volume ratio in bovine nuclear transfer embryos: effect on developmental potential. <i>Molecular Reproduction and Development</i> , 1997 , 48, 332-8	2.6	33
19	Actions and interactions of growth hormone and insulin-like growth factor-II: body and organ growth of transgenic mice. <i>Transgenic Research</i> , 1997 , 6, 213-22	3.3	29
18	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
17	Specific subtypes of cutaneous mechanoreceptors require neurotrophin-3 following peripheral target innervation. <i>Neuron</i> , 1996 , 16, 287-95	13.9	203
16	Nuclear transfer in cattle using in vivo-derived vs. in vitro-produced donor embryos: effect of developmental stage. <i>Molecular Reproduction and Development</i> , 1996 , 44, 493-8	2.6	12

15	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
14	Effects of growth hormone overproduction on grip strength of transgenic mice. <i>European Journal of Endocrinology</i> , 1995 , 133, 735-40	6.5	31
13	Efficient generation of chimaeric mice using embryonic stem cells after long-term culture in the presence of ciliary neurotrophic factor. <i>Transgenic Research</i> , 1994 , 3, 152-8	3.3	32
12	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
11	Disruption of the CNTF gene results in motor neuron degeneration. <i>Nature</i> , 1993 , 365, 27-32	50.4	551
10	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
9	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
8	Clinical Chemical Screen87-107		5
7	Insulin-Like Growth Factor I (IGF-I) and Long R3IGF-I Differently Affect Development and Messenger Ribonucleic Acid Abundance for IGF-Binding Proteins and Type I IGF Receptors in in Vitro Produced Bovine Embryos		23
6	Growth Inhibition in Giant Growth Hormone Transgenic Mice by Overexpression of Insulin-Like Growth Factor-Binding Protein-2		24
5	Chronic hyperglycaemia drives functional impairment of lymphocytes in diabetic INSC94Y transgenic pigs		2
4	Resources for genome editing in livestock: Cas9-expressing chickens and pigs		2
3	Impact of porcine cytomegalovirus on long-term orthotopic cardiac xenotransplant survival		1
2	Cellular and Molecular Probing of Intact Transparent Human Organs		4
1	Sequential in vivo labeling of insulin secretory granule pools in INS-SNAP transgenic pigs		1