

# Eckhard Wolf

## List of Publications by Year in descending order

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508  
papers

28,499  
citations

6233

80  
h-index

9553

142  
g-index

534  
all docs

534  
docs citations

534  
times ranked

29943  
citing authors

#	ARTICLE	IF	CITATIONS
1	CCR7 Coordinates the Primary Immune Response by Establishing Functional Microenvironments in Secondary Lymphoid Organs. <i>Cell</i> , 1999, 99, 23-33.	13.5	2,122
2	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, 1037-1047.	13.5	1,059
3	Genome-wide, large-scale production of mutant mice by ENU mutagenesis. <i>Nature Genetics</i> , 2000, 25, 444-447.	9.4	658
4	Disruption of the CNTF gene results in motor neuron degeneration. <i>Nature</i> , 1993, 365, 27-32.	13.7	586
5	Animal models of obesity and diabetes mellitus. <i>Nature Reviews Endocrinology</i> , 2018, 14, 140-162.	4.3	563
6	A Humanized Version of Foxp2 Affects Cortico-Basal Ganglia Circuits in Mice. <i>Cell</i> , 2009, 137, 961-971.	13.5	555
7	Epigenetic Marking Correlates with Developmental Potential in Cloned Bovine Preimplantation Embryos. <i>Current Biology</i> , 2003, 13, 1116-1121.	1.8	491
8	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 Culture1. <i>Biology of Reproduction</i> , 2001, 64, 904-909.	1.2	409
9	The epidermal growth factor receptor ligands at a glance. <i>Journal of Cellular Physiology</i> , 2009, 218, 460-466.	2.0	363
10	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.	5.8	351
11	Consistent success in life-supporting porcine cardiac xenotransplantation. <i>Nature</i> , 2018, 564, 430-433.	13.7	340
12	Rapamycin extends murine lifespan but has limited effects on aging. <i>Journal of Clinical Investigation</i> , 2013, 123, 3272-3291.	3.9	333
13	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, 4139-4144.	3.3	282
14	Efficient transgenesis in farm animals by lentiviral vectors. <i>EMBO Reports</i> , 2003, 4, 1054-1058.	2.0	251
15	Genes involved in conceptusâ€“endometrial interactions in ruminants: insights from reductionism and thoughts on holistic approaches. <i>Reproduction</i> , 2008, 135, 165-179.	1.1	239
16	The Ca <sup>2+</sup> -binding Proteins S100A8 and S100A9 Are Encoded by Novel Injury-regulated Genes. <i>Journal of Biological Chemistry</i> , 2001, 276, 35818-35825.	1.6	216
17	Specific Subtypes of Cutaneous Mechanoreceptors Require Neurotrophin-3 Following Peripheral Target Innervation. <i>Neuron</i> , 1996, 16, 287-295.	3.8	213
18	Transgenic pigs as models for translational biomedical research. <i>Journal of Molecular Medicine</i> , 2010, 88, 653-664.	1.7	210

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19	Overexpression of Insulin-Like Growth Factor-Binding Protein-2 in Transgenic Mice Reduces Postnatal Body Weight Gain. <i>Endocrinology</i> , 1999, 140, 5488-5496.	1.4	201
20	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, 375-386.	1.2	193
21	Cellular and Molecular Probing of Intact Human Organs. <i>Cell</i> , 2020, 180, 796-812.e19.	13.5	187
22	Embryo-induced transcriptome changes in bovine endometrium reveal species-specific and common molecular markers of uterine receptivity. <i>Reproduction</i> , 2006, 132, 319-331.	1.1	185
23	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, 5681-5686.	3.3	177
24	Introducing the German Mouse Clinic: open access platform for standardized phenotyping. <i>Nature Methods</i> , 2005, 2, 403-404.	9.0	176
25	A Key Role for E-cadherin in Intestinal Homeostasis and Paneth Cell Maturation. <i>PLoS ONE</i> , 2010, 5, e14325.	1.1	171
26	Mitochondrial DNA heteroplasmy in cloned cattle produced by fetal and adult cell cloning. <i>Nature Genetics</i> , 2000, 25, 255-257.	9.4	164
27	Glucose Intolerance and Reduced Proliferation of Pancreatic $\beta$ -Cells in Transgenic Pigs With Impaired Glucose-Dependent Insulinotropic Polypeptide Function. <i>Diabetes</i> , 2010, 59, 1228-1238.	0.3	160
28	Genetic modification of pigs as organ donors for xenotransplantation. <i>Molecular Reproduction and Development</i> , 2010, 77, 209-221.	1.0	155
29	Adult cloning in cattle: Potential of nuclei from a permanent cell line and from primary cultures. <i>Molecular Reproduction and Development</i> , 1999, 54, 264-272.	1.0	152
30	Generation of Transgenic Cattle by Lentiviral Gene Transfer into Oocytes <sup>1</sup> . <i>Biology of Reproduction</i> , 2004, 71, 405-409.	1.2	147
31	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, 14126-14131.	3.3	146
32	Monozygotic Twin Model Reveals Novel Embryo-Induced Transcriptome Changes of Bovine Endometrium in the Preattachment Period <sup>1</sup> . <i>Biology of Reproduction</i> , 2006, 74, 253-264.	1.2	146
33	Beyond Wavy Hairs. <i>American Journal of Pathology</i> , 2008, 173, 14-24.	1.9	146
34	<i>Escherichia coli</i> infection induces distinct local and systemic transcriptome responses in the mammary gland. <i>BMC Genomics</i> , 2010, 11, 138.	1.2	144
35	Interleukin-6 stimulates clonogenic growth of primary and metastatic human colon carcinoma cells. <i>Cancer Letters</i> , 2000, 151, 31-38.	3.2	140
36	HLA-E/Human $\beta$ 2-Microglobulin Transgenic Pigs: Protection Against Xenogeneic Human Anti-Pig Natural Killer Cell Cytotoxicity. <i>Transplantation</i> , 2009, 87, 35-43.	0.5	138

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37	Analysis of mammalian gene function through broad-based phenotypic screens across a consortium of mouse clinics. <i>Nature Genetics</i> , 2015, 47, 969-978.	9.4	137
38	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.	2.2	136
39	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, 1268-1276.	0.3	136
40	Dystrophin-deficient pigs provide new insights into the hierarchy of physiological derangements of dystrophic muscle. <i>Human Molecular Genetics</i> , 2013, 22, 4368-4382.	1.4	134
41	Uniformity of Nucleosome Preservation Pattern in Mammalian Sperm and Its Connection to Repetitive DNA Elements. <i>Developmental Cell</i> , 2014, 30, 23-35.	3.1	133
42	ER Stress-Mediated Apoptosis in a New Mouse Model of Osteogenesis imperfecta. <i>PLoS Genetics</i> , 2008, 4, e7.	1.5	131
43	Animal models of arrhythmia: classic electrophysiology to genetically modified large animals. <i>Nature Reviews Cardiology</i> , 2019, 16, 457-475.	6.1	131
44	Efficient production of multi-modified pigs for xenotransplantation by $\sim$ combineering $\hat{a}$ <sup>TM</sup> , gene stacking and gene editing. <i>Scientific Reports</i> , 2016, 6, 29081.	1.6	129
45	Detection of collagens by multispectral optoacoustic tomography as an imaging biomarker for Duchenne muscular dystrophy. <i>Nature Medicine</i> , 2019, 25, 1905-1915.	15.2	129
46	Tumor galectinology: Insights into the complex network of a family of endogenous lectins. <i>Glycoconjugate Journal</i> , 2003, 20, 227-238.	1.4	128
47	Mouse phenotyping. <i>Methods</i> , 2011, 53, 120-135.	1.9	128
48	Xenografted Islet Cell Clusters From <i>INS</i> /LEA29Y Transgenic Pigs Rescue Diabetes and Prevent Immune Rejection in Humanized Mice. <i>Diabetes</i> , 2012, 61, 1527-1532.	0.3	125
49	Methylation Reprogramming and Chromosomal Aneuploidy in In Vivo Fertilized and Cloned Rabbit Preimplantation Embryos <sup>1</sup> . <i>Biology of Reproduction</i> , 2004, 71, 340-347.	1.2	123
50	Epigenetic reprogramming in mammalian nuclear transfer. <i>Differentiation</i> , 2003, 71, 91-113.	1.0	119
51	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, 5242-5254.	0.9	118
52	A Porcine Model of Familial Adenomatous Polyposis. <i>Gastroenterology</i> , 2012, 143, 1173-1175.e7.	0.6	115
53	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.	0.5	113
54	Diabetes Mellitus $\hat{a}$ Induced Microvascular Destabilization in the Myocardium. <i>Journal of the American College of Cardiology</i> , 2017, 69, 131-143.	1.2	113

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55	Transgenic mouse models for studying the functions of insulin-like growth factor-binding proteins. FASEB Journal, 2000, 14, 629-640.	0.2	111
56	Dynamic changes in messenger RNA profiles of bovine endometrium during the oestrous cycle. Reproduction, 2008, 135, 225-240.	1.1	105
57	Peroxiredoxin 6 Is a Potent Cytoprotective Enzyme in the Epidermis. American Journal of Pathology, 2006, 169, 1194-1205.	1.9	103
58	Epigenetic Regulation of Lentiviral Transgene Vectors in a Large Animal Model. Molecular Therapy, 2006, 13, 59-66.	3.7	103
59	Epigenetic alterations in longevity regulators, reduced life span, and exacerbated aging-related pathology in old father offspring mice. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2348-E2357.	3.3	102
60	Tissue-Specific Elevated Genomic Cytosine Methylation Levels Are Associated with an Overgrowth Phenotype of Bovine Fetuses Derived by In Vitro Techniques <sup>1</sup> . Biology of Reproduction, 2004, 71, 217-223.	1.2	100
61	Effects of Genetic Background, Gender, and Early Environmental Factors on Isolation-Induced Ultrasonic Calling in Mouse Pups: An Embryo-Transfer Study. Behavior Genetics, 2008, 38, 579-595.	1.4	100
62	Mitochondrial Dysfunction and Decrease in Body Weight of a Transgenic Knock-in Mouse Model for TDP-43. Journal of Biological Chemistry, 2014, 289, 10769-10784.	1.6	100
63	Polyclonal Anti-PrP Auto-antibodies Induced with Dimeric PrP Interfere Efficiently with PrP <sup>Sc</sup> Propagation in Prion-infected Cells. Journal of Biological Chemistry, 2003, 278, 18524-18531.	1.6	99
64	Permanent Neonatal Diabetes in <i>INS</i> <sup>C94Y</sup> Transgenic Pigs. Diabetes, 2013, 62, 1505-1511.	0.3	99
65	Growth Inhibition in Giant Growth Hormone Transgenic Mice by Overexpression of Insulin-Like Growth Factor-Binding Protein-2. Endocrinology, 2001, 142, 1889-1898.	1.4	97
66	Maturation of Bovine Oocytes in the Presence of Leptin Improves Development and Reduces Apoptosis of In Vitro-Produced Blastocysts <sup>1</sup> . Biology of Reproduction, 2005, 73, 737-744.	1.2	96
67	Pig-to-baboon heterotopic heart transplantation – exploratory preliminary experience with pigs transgenic for human thrombomodulin and comparison of three costimulation blockade-based regimens. Xenotransplantation, 2015, 22, 211-220.	1.6	95
68	Regulation of Ipsilateral and Contralateral Bovine Oviduct Epithelial Cell Function in the Postovulation Period: A Transcriptomics Approach <sup>1</sup> . Biology of Reproduction, 2003, 68, 1170-1177.	1.2	94
69	Generation and Characterization of <i>dickkopf3</i> Mutant Mice. Molecular and Cellular Biology, 2006, 26, 2317-2326.	1.1	92
70	Nuclear transfer in cattle with non-transfected and transfected fetal or cloned transgenic fetal and postnatal fibroblasts. Molecular Reproduction and Development, 2001, 60, 362-369.	1.0	91
71	Requirement of the RNA-editing Enzyme ADAR2 for Normal Physiology in Mice. Journal of Biological Chemistry, 2011, 286, 18614-18622.	1.6	91
72	Efficient transgenesis in farm animals by lentiviral vectors. EMBO Reports, 2003, 4, 1054-1058.	2.0	91

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73	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.	0.7	89
74	Differential Endometrial Gene Expression in Pregnant and Nonpregnant Sows <sup>1</sup> . <i>Biology of Reproduction</i> , 2010, 83, 277-285.	1.2	88
75	Rabbit somatic cell cloning: effects of donor cell type, histone acetylation status and chimeric embryo complementation. <i>Reproduction</i> , 2007, 133, 219-230.	1.1	87
76	Chromatin-remodeling factor SMARCD2 regulates transcriptional networks controlling differentiation of neutrophil granulocytes. <i>Nature Genetics</i> , 2017, 49, 742-752.	9.4	87
77	Every-other-day feeding extends lifespan but fails to delay many symptoms of aging in mice. <i>Nature Communications</i> , 2017, 8, 155.	5.8	87
78	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, 169-186.	0.3	86
79	Comparison of the Effects of Early Pregnancy with Human Interferon, Alpha 2 (IFNA2), on Gene Expression in Bovine Endometrium <sup>1</sup> . <i>Biology of Reproduction</i> , 2012, 86, 46.	1.2	86
80	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.	3.3	86
81	Progress in Clinical Encapsulated Islet Xenotransplantation. <i>Transplantation</i> , 2016, 100, 2301-2308.	0.5	83
82	A bovine oviduct epithelial cell suspension culture system suitable for studying embryo-maternal interactions: morphological and functional characterization. <i>Reproduction</i> , 2006, 132, 637-648.	1.1	82
83	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-E146.	1.8	82
84	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, 21024-21029.	3.3	82
85	Increase of essential amino acids in the bovine uterine lumen during preimplantation development. <i>Reproduction</i> , 2011, 141, 685-695.	1.1	81
86	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.	1.7	81
87	Accelerated growth and visceral lesions in transgenic mice expressing foreign genes of the growth hormone family: an overview. <i>Pediatric Nephrology</i> , 1991, 5, 513-521.	0.9	79
88	Induction of a Senescent-Like Phenotype Does Not Confer the Ability of Bovine Immortal Cells to Support the Development of Nuclear Transfer Embryos <sup>1</sup> . <i>Biology of Reproduction</i> , 2003, 69, 301-309.	1.2	79
89	Distribution and expression of porcine endogenous retroviruses in multi-transgenic pigs generated for xenotransplantation. <i>Xenotransplantation</i> , 2009, 16, 64-73.	1.6	79
90	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.	3.0	79

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91	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 <sup>1</sup> . <i>Biology of Reproduction</i> , 2003, 68, 159-166.	1.2	78
92	Inactivation and Inducible Oncogenic Mutation of p53 in Gene Targeted Pigs. <i>PLoS ONE</i> , 2012, 7, e43323.	1.1	77
93	Toxicity modelling of Plk1-targeted therapies in genetically engineered mice and cultured primary mammalian cells. <i>Nature Communications</i> , 2011, 2, 395.	5.8	76
94	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, 1245-1255.	1.2	74
95	Chimeric pigs following blastocyst injection of transgenic porcine primordial germ cells. <i>Molecular Reproduction and Development</i> , 1999, 54, 244-254.	1.0	73
96	Genetically engineered pig models for diabetes research. <i>Transgenic Research</i> , 2014, 23, 27-38.	1.3	73
97	eIF6 coordinates insulin sensitivity and lipid metabolism by coupling translation to transcription. <i>Nature Communications</i> , 2015, 6, 8261.	5.8	73
98	MFAP4 Promotes Vascular Smooth Muscle Migration, Proliferation and Accelerates Neointima Formation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 122-133.	1.1	72
99	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, 351-355.	1.0	71
100	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.	1.3	71
101	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.	1.2	70
102	Evidence for conserved DNA and histone H3 methylation reprogramming in mouse, bovine and rabbit zygotes. <i>Epigenetics and Chromatin</i> , 2008, 1, 8.	1.8	70
103	Systemic First-Line Phenotyping. <i>Methods in Molecular Biology</i> , 2009, 530, 463-509.	0.4	70
104	Tissue-Specific Effects of In Vitro Fertilization Procedures on Genomic Cytosine Methylation Levels in Overgrown and Normal Sized Bovine Fetuses <sup>1</sup> . <i>Biology of Reproduction</i> , 2006, 75, 17-23.	1.2	69
105	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.	1.6	69
106	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, 303-312.	1.9	68
107	Physiologic systemic iron metabolism in mice deficient for duodenal Hfe. <i>Blood</i> , 2007, 109, 4511-4517.	0.6	68
108	Mutation in the $\beta$ A3/A1-Crystallin Encoding Gene Cryba1 Causes a Dominant Cataract in the Mouse. <i>Genomics</i> , 1999, 62, 67-73.	1.3	67

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109	Leptin Promotes Meiotic Progression and Developmental Capacity of Bovine Oocytes Via Cumulus Cell-Independent and -Dependent Mechanisms1. <i>Biology of Reproduction</i> , 2007, 76, 532-541.	1.2	67
110	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.	1.4	65
111	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, 329-334.	1.3	64
112	Nuclear transfer in mammals: Recent developments and future perspectives1Based on a lecture held at the symposium, 'Cloning of mammalian embryos: current status and perspectives' at the 8th European Congress on Biotechnology (ECB8) in Budapest, Hungary, August 1997.1. <i>Journal of Biotechnology</i> , 1998, 65, 99-110.	1.9	64
113	Changes of higher order chromatin arrangements during major genome activation in bovine preimplantation embryos. <i>Experimental Cell Research</i> , 2009, 315, 2053-2063.	1.2	64
114	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, 138-147.	0.5	63
115	Non-balanced mix of mitochondrial DNA in cloned cattle produced by cytoplasm-blastomere fusion. <i>FEBS Letters</i> , 1998, 426, 357-361.	1.3	62
116	Cytochrome c oxidase subunit 4 isoform 2 knockout mice show reduced enzyme activity, airway hyperactivity, and lung pathology. <i>FASEB Journal</i> , 2012, 26, 3916-3930.	0.2	62
117	Potential of fetal germ cells for nuclear transfer in cattle. <i>Molecular Reproduction and Development</i> , 1999, 52, 421-426.	1.0	61
118	Diabetic kidney lesions of GIPR <sup>dn</sup> 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-F829.	1.3	61
119	Tissue Sampling Guides for Porcine Biomedical Models. <i>Toxicologic Pathology</i> , 2016, 44, 414-420.	0.9	61
120	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, 307-313.	1.4	60
121	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, 3096-3104.	1.4	60
122	First inducible transgene expression in porcine large animal models. <i>FASEB Journal</i> , 2012, 26, 1086-1099.	0.2	60
123	Progressive muscle proteome changes in a clinically relevant pig model of Duchenne muscular dystrophy. <i>Scientific Reports</i> , 2016, 6, 33362.	1.6	60
124	Impact of porcine cytomegalovirus on long-term orthotopic cardiac xenotransplant survival. <i>Scientific Reports</i> , 2020, 10, 17531.	1.6	60
125	Secretion of Biologically Active Interferon $\beta$ , by in Vitro-Derived Bovine Trophoblastic Tissue1. <i>Biology of Reproduction</i> , 1995, 53, 1500-1507.	1.2	59
126	Composition of parental mitochondrial DNA in cloned bovine embryos. <i>FEBS Letters</i> , 1998, 426, 352-356.	1.3	59



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127	Postnatal Overexpression of Insulin-Like Growth Factor II in Transgenic Mice Is Associated with Adrenocortical Hyperplasia and Enhanced Steroidogenesis. <i>Endocrinology</i> , 1999, 140, 1537-1543.	1.4	59
128	Expression of Biologically Active Human TRAIL in Transgenic Pigs. <i>Transplantation</i> , 2005, 80, 222-230.	0.5	59
129	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, 530-539.	2.0	59
130	Identification of genetic elements in metabolism by high-throughput mouse phenotyping. <i>Nature Communications</i> , 2018, 9, 288.	5.8	59
131	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, 139-148.	1.5	58
132	Lack of Pur-alpha alters postnatal brain development and causes megalencephaly. <i>Human Molecular Genetics</i> , 2012, 21, 473-484.	1.4	58
133	Phenotypic comparison of common mouse strains developing high-fat diet-induced hepatosteatosis. <i>Molecular Metabolism</i> , 2013, 2, 435-446.	3.0	57
134	Establishment of Pluripotent Cell Lines from Vertebrate Species – Present Status and Future Prospects. <i>Cells Tissues Organs</i> , 1999, 165, 220-236.	1.3	56
135	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.	0.3	56
136	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.	1.1	56
137	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, 367-373.	1.2	55
138	Growth hormone inhibits apoptosis in in vitro produced bovine embryos. <i>Molecular Reproduction and Development</i> , 2002, 61, 180-186.	1.0	55
139	Bovine endometrial metalloproteinases MMP14 and MMP2 and the metalloproteinase inhibitor TIMP2 participate in maternal preparation of pregnancy. <i>Molecular and Cellular Endocrinology</i> , 2011, 332, 48-57.	1.6	55
140	Porcine models for studying complications and organ crosstalk in diabetes mellitus. <i>Cell and Tissue Research</i> , 2020, 380, 341-378.	1.5	54
141	The clinical-chemical screen in the Munich ENU Mouse Mutagenesis Project: screening for clinically relevant phenotypes. <i>Mammalian Genome</i> , 2000, 11, 543-546.	1.0	53
142	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, 6858-6863.	3.3	53
143	Transcriptome analyses of bovine, porcine and equine endometrium during the pre-implantation phase. <i>Animal Reproduction Science</i> , 2012, 134, 84-94.	0.5	53
144	Comparative aspects of rodent and nonrodent animal models for mechanistic and translational diabetes research. <i>Theriogenology</i> , 2016, 86, 406-421.	0.9	53

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145	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, 867-876.	1.2	52
146	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.	0.6	52
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