Peter Chrenek

List of Publications by Year
in descending order

115 papers	1,545 citations	393982 19 h-index	377514 34 g-index
115 all docs	115 docs citations	115 times ranked	1726 citing authors

#	Article	IF	Citations
1	Novel function for blood platelets and podoplanin in developmental separation of blood and lymphatic circulation. Blood, 2010, 115, 3997-4005.	0.6	267
2	Disruption of the protein C inhibitor gene results in impaired spermatogenesis and male infertility. Journal of Clinical Investigation, 2000, 106, 1531-1539.	3.9	132
3	Sexing and multiple genotype analysis from a single cell of bovine embryo. Theriogenology, 2001, 55, 1071-1081.	0.9	62
4	The role of IGF-I, cAMP/protein kinase A and MAP-kinase in the control of steroid secretion, cyclic nucleotide production, granulosa cell proliferation and preimplantation embryo development in rabbits. Journal of Steroid Biochemistry and Molecular Biology, 2000, 73, 123-133.	1.2	47
5	Effects of genistein and lavendustin on reproductive processes in domestic animals in vitro. Journal of Steroid Biochemistry and Molecular Biology, 1997, 63, 329-337.	1.2	40
6	Increased transgene integration efficiency upon microinjection of DNA into both pronuclei of rabbit embryos. Transgenic Research, 2005, 14, 417-428.	1.3	37
7	Exposure to neonicotinoid insecticides induces embryotoxicity in mice and rabbits. Toxicology, 2017, 392, 71-80.	2.0	36
8	Sex-related variation in compact bone microstructure of the femoral diaphysis in juvenile rabbits. Acta Veterinaria Scandinavica, 2008, 50, 15.	0.5	34
9	Expression of recombinant human factor VIII in milk of several generations of transgenic rabbits. Transgenic Research, 2007, 16, 353-361.	1.3	33
10	Novel regulators of rabbit reproductive functions. Animal Reproduction Science, 2014, 148, 188-196.	0.5	33
11	Chronological appearance of spontaneous and induced apoptosis during preimplantation development of rabbit and mouse embryos. Theriogenology, 2007, 68, 1271-1281.	0.9	29
12	Post-thaw survival, cell death and actin cytoskeleton in gene-microinjected rabbit embryos after vitrification. Theriogenology, 2008, 70, 675-681.	0.9	26
13	In vitroeffect of nickel on bovine spermatozoa motility and annexin Vâ€labeled membrane changes. Journal of Applied Toxicology, 2011, 31, 144-149.	1.4	26
14	Biogenic monoamines in preimplantation development. Human Reproduction, 2011, 26, 2296-2305.	0.4	25
15	Mercury-induced alterations in rat kidneys and testes in vivo. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2007, 42, 865-870.	0.9	24
16	Lead-induced alterations in rat kidneys and testesin vivo. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2007, 42, 671-676.	0.9	24
17	Effect of cryoprotectants and thawing temperatures on chicken sperm quality. Reproduction in Domestic Animals, 2018, 53, 93-100.	0.6	24
18	Green tea can supress rabbit ovarian functions inÂvitro and inÂvivo. Theriogenology, 2019, 127, 72-79.	0.9	24

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19	Effect of Nickel Administration in vivo on the Testicular Structure in Male Mice. Acta Veterinaria Brno, 2007, 76, 223-229.	0.2	24
20	Effects of superovulation, culture and microinjection on development of rabbit embryos in vitro. Theriogenology, 1998, 50, 659-666.	0.9	20
21	Yucca schidigera can promote rabbit growth, fecundity, affect the release of hormones in vivo and in vitro , induce pathological changes in liver, and reduce ovarian resistance to benzene. Animal Reproduction Science, 2017, 183, 66-76.	0.5	19
22	Effect of transgenesis on reproductive traits of rabbit males. Animal Reproduction Science, 2007, 99, 127-134.	0.5	18
23	Effect of epidermal growth factor (EGF) on steroid and cyclic nucleotide secretion, proliferation and ERK-related MAP-kinase in cultured rabbit granulosa cells. Experimental and Clinical Endocrinology and Diabetes, 2002, 110, 124-129.	0.6	16
24	The cAMP analogue, dbcAMP affects release of steroid hormones by cultured rabbit ovarian cells and their response to FSH, IGF-I and ghrelin. European Journal of Pharmacology, 2010, 640, 202-205.	1.7	16
25	Several aspects of animal embryo cryopreservation: anti-freeze protein (AFP) as a potential cryoprotectant. Zygote, 2010, 18, 145-153.	0.5	16
26	The cryoprotective effect of Ficoll on the rabbit spermatozoa quality. Zygote, 2015, 23, 785-794.	0.5	16
27	Different RNA and protein expression of surface markers in rabbit amniotic fluidâ€derived mesenchymal stem cells. Biotechnology Progress, 2017, 33, 1601-1613.	1.3	16
28	The Relation between Genetic Polymorphism Markers and Milk Yield in Brown Swiss Cattle Imported to Slovakia. Asian-Australasian Journal of Animal Sciences, 2003, 16, 1397-1401.	2.4	15
29	Comparison of Different Extenders on the Preservability of Rabbit Semen Stored at 5Â°C for 72 Hours. Italian Journal of Animal Science, 2014, 13, 3444.	0.8	14
30	Survival and ultrastructure of gene-microinjected rabbit embryos after vitrification. Zygote, 2005, 13, 283-293.	0.5	13
31	Effect of caffeine on functions of cooling-stored ram sperm in vitro. Acta Veterinaria Brno, 2014, 83, 19-25.	0.2	13
32	Expression of Adrenergic Receptors in Bovine and Rabbit Oocytes and Preimplantation Embryos. Reproduction in Domestic Animals, 2014, 49, 92-100.	0.6	13
33	In vitro response of human ovarian cancer cells to dietary bioflavonoid isoquercitrin. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2019, 54, 752-757.	0.7	13
34	Composition of Stallion Seminal Plasma and Its Impact on Oxidative Stress Markers and Spermatozoa Quality. Life, 2021, 11, 1238.	1.1	13
35	Evaluation of Haematological, Biochemical and Histopathological Parameters of Transgenic Rabbits. Transboundary and Emerging Diseases, 2007, 54, 527-531.	0.6	12
36	Preimplantation development and viability of in vitro cultured rabbit embryos derived from in vivo fertilized gene-microinjected eggs: apoptosis and ultrastructure analyses. Zygote, 2005, 13, 125-137.	0.5	11

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37	Development and viability of bovine preimplantation embryos after the in vitro infection with bovine herpesvirus-1 (BHV-1): immunocytochemical and ultrastructural studies. Zygote, 2007, 15, 307-315.	0.5	11
38	Effects of dietary supplementation of nickel and nickel-zinc on femoral bone structure in rabbits. Acta Veterinaria Scandinavica, 2009, 51, 52.	0.5	11
39	Effect of body condition and season on yield and quality ofin vitroproduced bovine embryos. Zygote, 2015, 23, 893-899.	0.5	11
40	Survivability of rabbit amniotic fluid-derived mesenchymal stem cells post slow-freezing or vitrification. Acta Histochemica, 2019, 121, 491-499.	0.9	11
41	Combined approach for characterization and quality assessment of rabbit bone marrow-derived mesenchymal stem cells intended for gene banking. New Biotechnology, 2020, 54, 1-12.	2.4	11
42	Factors affecting rabbit sperm cryopreservation: a mini-review. Zygote, 2022, 30, 1-8.	0.5	11
43	The Impact of Bacteriocenoses on Sperm Vitality, Immunological and Oxidative Characteristics of Ram Ejaculates: Does the Breed Play a Role?. Animals, 2022, 12, 54.	1.0	11
44	Yucca schidigera extract can promote rabbit fecundity and ovarian progesterone release. Theriogenology, 2015, 84, 634-638.	0.9	9
45	Cryodamage of plasma membrane and acrosome region in chicken sperm. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2019, 48, 33-39.	0.3	9
46	Phenotypical Characterization and Neurogenic Differentiation of Rabbit Adipose Tissue-Derived Mesenchymal Stem Cells. Genes, 2021, 12, 431.	1.0	9
47	The Cryopreserved Sperm Traits of Various Ram Breeds: Towards Biodiversity Conservation. Animals, 2022, 12, 1311.	1.0	9
48	Production of rabbit chimeric embryos by aggregation of zona-free nuclear transfer blastomeres. Zygote, 2005, 13, 39-44.	0.5	8
49	Phosphodiesterase inhibitor 3-isobutyl-methyl-xanthine stimulates reproduction in rabbit females. Theriogenology, 2010, 74, 1321-1326.	0.9	8
50	The cAMP Analogue, dbcAMP, Affects Rabbit Ovarian Cell Proliferation, Apoptosis, Release of Steroids and Response to Hormones. Folia Biologica, 2014, 62, 211-218.	0.1	8
51	The Yield and Composition of Milk from Transgenic Rabbits. Asian-Australasian Journal of Animal Sciences, 2007, 20, 482-486.	2.4	8
52	Effect of vitrification technique and assisted hatching on rabbit embryo developmental rate. Zygote, 2009, 17, 57-61.	0.5	7
53	Phosphodiesterase Inhibitor 3-Isobutyl-1-Methyl-Xanthine Affects Ovarian Morphology and Stimulates Reproduction in Rabbits. European Journal of Inflammation, 2010, 8, 173-179.	0.2	7
54	Factors affecting storage of Slovak native rabbit semen in the gene bank. Zygote, 2017, 25, 592-600.	0.5	7

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55	Critical assessment of the efficiency of CD34 and CD133 antibodies for enrichment of rabbit hematopoietic stem cells. Biotechnology Progress, 2018, 34, 1278-1289.	1.3	7
56	Ultrastructural Morphometry of Mammary Gland in Transgenic and Non-transgenic Rabbits. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2006, 35, 351-356.	0.3	6
57	Phosphodiesterase inhibitor 3-isobutyl-methyl-xanthine affects rabbit ovaries and oviduct. European Journal of Pharmacology, 2010, 643, 145-151.	1.7	6
58	Activators of protein kinase A and oxytocin affect rabbit reproduction. Open Life Sciences, 2012, 7, 973-979.	0.6	6
59	Taurine does not improve the quality of shortâ€term stored rabbit spermatozoa in vitro. Reproduction in Domestic Animals, 2017, 52, 1046-1051.	0.6	6
60	Cryopreservation of chicken blastodermal cells and their quality assessment by flow cytometry and transmission electron microscopy. Biotechnology Progress, 2018, 34, 778-783.	1.3	6
61	In vitroeffect of various cryoprotectants on the semen quality of endangered Oravka chicken. Zygote, 2018, 26, 33-39.	0.5	6
62	Detection of DGAT1 gene polymorphism and its effect on selected biochemical indicators in dairy cows after calving. Acta Veterinaria Brno, 2013, 82, 265-269.	0.2	6
63	Elimination of Apoptotic Spermatozoa from Rabbit Insemination Dose Using Annexin V Associated with the MACS Technique. A Preliminary Study. Folia Biologica, 2011, 59, 65-69.	0.1	5
64	Quality of transgenic rabbit embryos with different EGFP gene constructs. Zygote, 2011, 19, 85-90.	0.5	5
65	Reproductive Performance of New Zealand White Rabbits after Depletion of Apoptotic Spermatozoa. Folia Biologica, 2014, 62, 109-117.	0.1	5
66	Influence of Macrophages on the Rooster Spermatozoa Quality. Reproduction in Domestic Animals, 2015, 50, 580-586.	0.6	5
67	Effect of Diluent and Storage Time on Sperm Characteristics of Rooster Insemination Doses. Avian Biology Research, 2015, 8, 41-46.	0.4	5
68	Detection of macrophages in rabbit semen and their relationship with semen quality. Theriogenology, 2017, 97, 148-153.	0.9	5
69	Low dose exposure of patulin and protective effect of epicatechin on blood cellsin vitro. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2019, 54, 459-466.	0.7	5
70	Secretome Analysis of Rabbit and Human Mesenchymal Stem and Endothelial Progenitor Cells: A Comparative Study. International Journal of Molecular Sciences, 2021, 22, 12283.	1.8	5
71	Cryopreservation of ram semen: Manual versus programmable freezing and different lengths of equilibration. Animal Science Journal, 2021, 92, e13670.	0.6	5
72	Production of Recombinant Human Protein C in the Milk of Transgenic Rabbits from the F3 Generation. Folia Biologica, 2005, 53, 129-132.	0.1	4

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73	Alteration in ultrastructural morphology of bovine embryos following subzonal microinjection of bovine viral diarrhea virus (BVDV). Zygote, 2008, 16, 187-193.	0.5	4
74	Characteristics of Rabbit Transgenic Mammary Gland Expressing Recombinant Human Factor VIII. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2009, 38, 85-88.	0.3	4
75	Antibody to Hsp70 alters response of rabbit preimplantation embryos to hyperthermia in vitro. Animal Reproduction Science, 2010, 119, 130-136.	0.5	4
76	The camp analogue, dbcAMP can stimulate rabbit reproductive functions: I. Effect on ovarian folliculogenesis, ovulation and embryo production. Acta Veterinaria, 2012, 62, 227-237.	0.2	4
77	Ultrastructure of vitrified rabbit transgenic embryos. Zygote, 2014, 22, 558-564.	0.5	4
78	Effect of Oxytocin, <scp>IBMX</scp> and dbc<scp>AMP</scp> on Rabbit Ovarian Follicles. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2014, 43, 379-385.	0.3	4
79	State of actin cytoskeleton and development of slow-frozen and vitrified rabbit pronuclear zygotes. Cryobiology, 2016, 72, 14-20.	0.3	4
80	Quality of Pinzgau bull spermatozoa following different periods of cryostorage. Zygote, 2017, 25, 215-221.	0.5	4
81	Molecular Profiling and Gene Banking of Rabbit EPCs Derived from Two Biological Sources. Genes, 2021, 12, 366.	1.0	4
82	Occurrence of chromosomal aneuploidy in rabbit oocytes and embryos at different developmental stages. Zygote, 2010, 18, 203-207.	0.5	3
83	Analysis of the expression of platelet antigens CD9 and CD41/61 inâ€¯transgenic rabbits with theâ€¯integrated human blood clotting factorâ€¯VIII gene construct. General Physiology and Biophysics, 2011, 30, 83-87.	0.4	3
84	Ultrastructure of Cell Organelles in Pre-implantation Embryos from Cows with Different Body Condition Score. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2017, 46, 274-281.	0.3	3
85	Histological characteristics of ovarian follicle atresia in dairy cows with different milk production. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2018, 47, 510-516.	0.3	3
86	Development and ultrastructure of bovine matured oocytes vitrified using electron microscopy grids. Theriogenology, 2020, 158, 258-266.	0.9	3
87	Ultrastructural Changes in the Cyclic Corpus Luteum of Dairy Cows with Different Body Condition. Acta Veterinaria, 2016, 66, 245-256.	0.2	3
88	Comparative Study of Compact Bone Tissue Microstructure between Non-transgenic and Transgenic Rabbits with WAP-hFVIII Gene Construct. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2006, 35, 310-315.	0.3	2
89	Developmental rate and allocation of transgenic cells in rabbit chimeric embryos. Zygote, 2008, 16, 87-91.	0.5	2
90	Morphology of Testes from Transgenic Rabbits: Histological and Ultrastructural Aspects. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2010, 39, 27-33.	0.3	2

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91	Effect of the MACS technique on rabbit sperm motility. Open Life Sciences, 2011, 6, 958-962.	0.6	2
92	Short Communication The Effect of the cAMP Analogue, dbcAMP, on Proliferation and Apoptosis of Rabbit Oviductal Cells. Folia Biologica, 2013, 61, 247-252.	0.1	2
93	Effect of selected natural and synthetic substances on rabbit reproductionâ€“A mini review. Journal of Animal Physiology and Animal Nutrition, 2022, 106, 622-629.	1.0	2
94	Rabbit Endothelial Progenitor Cells Derived From Peripheral Blood and Bone Marrow: An Ultrastructural Comparative Study. Microscopy and Microanalysis, 2022, 28, 756-766.	0.2	2
95	Identification of bovine kâ€casein C allele using alleleâ€specific polymerase chain reaction. Journal of Animal Breeding and Genetics, 1998, 115, 491-495.	0.8	1
96	The Effect of hFVIII Transgene on the Chromosomal Aneuploidy Rate in Rabbits. Folia Biologica, 2007, 55, 161-164.	0.1	1
97	Viability and apoptosis in spermatozoa of transgenic rabbits. Zygote, 2012, 20, 33-37.	0.5	1
98	Quality of rabbit vitrified/thawed transgenic embryos. Zygote, 2013, 21, 53-58.	0.5	1
99	Ultrastructure of Rabbit Embryos Exposed to Hyperthermia and Anti-Hsp 70. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2013, 42, 285-291.	0.3	1
100	The Effect of Mammary Gland-Specific Transgene Expression on Rabbit Reproductive Gland Structure. Folia Biologica, 2014, 62, 119-125.	0.1	1
101	Aldehyde dehydrogenase in fresh primordial germ cells as a marker of cell â€˜stemnessâ€™. Zygote, 2019, 27, 46-48.	0.5	1
102	Enrichment of Rabbit Primitive Hematopoietic Cells via MACS Depletion of CD45+ Bone Marrow Cells. Magnetochemistry, 2021, 7, 11.	1.0	1
103	EFFECT OF DIFFERENT CULTURE MEDIUM ON CULTIVATION OF ADIPOSE TISSUE DERIVED STEM CELLS FROM TWO BIOLOGICAL SOURCES. Journal of Microbiology, Biotechnology and Food Sciences, 2018, 8, 798-801.	0.4	1
104	THE EFFICIENCY OF IMMUNOMAGNETIC SORTING OF RABBIT BONE MARROW CELLS FOR THE ESTABLISHMENT OF MESENCHYMAL STEM CELL CULTURE. Journal of Microbiology, Biotechnology and Food Sciences, 2018, 8, 890-892.	0.4	1
105	Phenotype and ultrastructure of stem cells derived from amniotic fluid of Nitra rabbit. Journal of Central European Agriculture, 2017, 18, 226-234.	0.3	1
106	PROTECTION AND SUSTAINABILITY OF ANIMAL GENETIC RESOURCES FOR ENSURING THE PRODUCTION OF QUALITY DOMESTIC FOOD. Journal of Microbiology, Biotechnology and Food Sciences, 2017, 7, 239-241.	0.4	1
107	Transgenic Rabbits as a Model Organism for Production of Human Clotting Factor VIII. , 2005, , 605-611.		0
108	Cytogenetic Analysis of Transgenic Rabbit Offspring Resulting from the F4 Generations. Cytologia, 2008, 73, 15-19.	0.2	0

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109	Effects of selected epigenetic factors on the rabbit ejaculate quality. Acta Veterinaria, 2011, 61, 621-630.	0.2	0
110	The Effect of Nickel and Zinc Addition to Rabbit Feed in Conjunction with the Risk of Chromosomal Aneuploidy. Cytologia, 2012, 77, 181-185.	0.2	0
111	The Effect of Transgenesis on Rabbit Thyroid Tissue Structure. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2012, 41, 233-236.	0.3	0
112	SSEA-4 Antigen Is Expressed on Rabbit Lymphocyte Subsets. Magnetochemistry, 2021, 7, 94.	1.0	0
113	Developmental Rate of Rabbit Parthenogenetic Embryos Derived Using Different Activating Protocols. Asian-Australasian Journal of Animal Sciences, 2004, 17, 617-620.	2.4	0
114	QUALITY OF BOVINE PREIMPLANTATION EMBRYOS IN RELATION TO CATTLE BREED. Journal of Microbiology, Biotechnology and Food Sciences, 2017, 7, 143-144.	0.4	0
115	Effect of Green Tea on Weight Gain and Semen Quality of Rabbit Males. Veterinary Sciences, 2022, 9, 321.	0.6	0