Mark B Nottle

List of Publications by Year
in descending order

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82 papers	3,225 citations	159525 30 h-index	155592 55 g-index
82 all docs	82 docs citations	82 times ranked	2270 citing authors

#	Article	IF	Citations
1	THE ??-1,3-GALACTOSYLTRANSFERASE KNOCKOUT MOUSE. Transplantation, 1996, 61, 13-19.	0.5	285
2	Cryopreservation of porcine embryos. Nature, 1995, 374, 416-416.	13.7	197
3	Removal of Cytoplasmic Lipid Enhances the Tolerance of Porcine Embryos to Chilling. Biology of Reproduction, 1994, 51, 618-622.	1.2	190
4	RENAL XENOGRAFTS FROM TRIPLE-TRANSGENIC PIGS ARE NOT HYPERACUTELY REJECTED BUT CAUSE COAGULOPATHY IN NON-IMMUNOSUPPRESSED BABOONS. Transplantation, 2000, 69, 2504-2515.	0.5	189
5	Production of Cloned Pigs from Cultured Fetal Fibroblast Cells. Biology of Reproduction, 2002, 66, 1283-1287.	1.2	119
6	First quantification of alphaâ€‹scp›G‹/scp›al epitope in current glutaraldehydeâ€fixed heart valve bioprostheses. Xenotransplantation, 2013, 20, 252-261.	1.6	113
7	Cysteamine Enhances in Vitro Development of Porcine Oocytes Matured and Fertilized in Vitro. Biology of Reproduction, 1995, 53, 173-178.	1.2	110
8	Transgenic swine: Expression of human CD39 protects against myocardial injury. Journal of Molecular and Cellular Cardiology, 2012, 52, 958-961.	0.9	99
9	Control of IBMIR in Neonatal Porcine Islet Xenotransplantation in Baboons. American Journal of Transplantation, 2014, 14, 1300-1309.	2.6	91
10	Relationship between follicle size and oocyte developmental competence in prepubertal and adult pigs. Reproduction, Fertility and Development, 2007, 19, 797.	0.1	87
11	Production of homozygous Î±â€1,3â€galactosyltransferase knockout pigs by breeding and somatic cell nuclear transfer. Xenotransplantation, 2007, 14, 339-344.	1.6	70
12	Use of Adult Mesenchymal Stem Cells Isolated from Bone Marrow and Blood for Somatic Cell Nuclear Transfer in Pigs. Cloning and Stem Cells, 2006, 8, 166-173.	2.6	69
13	‹i›In Vitro‹/i› and ‹i›In Vivo‹/i› Characterization of Putative Porcine Embryonic Stem Cells. Cellular Reprogramming, 2010, 12, 223-230.	0.5	67
14	Effect of dibutyryl cAMP on the cAMP content, meiotic progression, and developmental potential of in vitro matured pre-pubertal and adult pig oocytes. Molecular Reproduction and Development, 2006, 73, 1326-1332.	1.0	62
15	Relationship between donor animal age, follicular fluid steroid content and oocyte developmental competence in the pig. Reproduction, Fertility and Development, 2003, 15, 81.	0.1	58
16	Role of epidermal growth factor and insulin-like growth factor-I on porcine oocyte maturation and embryonic development in vitro. Reproduction, Fertility and Development, 1997, 9, 571.	0.1	57
17	Survival of Porcine Delipated Oocytes and Embryos after Cryopreservation by Freezing or Vitrification.. Journal of Reproduction and Development, 1999, 45, 167-176.	0.5	50
18	An Efficient Method for Producing Î±(1,3)-Galactosyltransferase Gene Knockout Pigs. Cloning and Stem Cells, 2004, 6, 327-331.	2.6	50

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19	Developmental competence of in vivo and in vitro matured porcine oocytes after subzonal sperm injection. Molecular Reproduction and Development, 1996, 45, 359-363.	1.0	48
20	Effect of 6-dimethylaminopurine on electrically activated in vitro matured porcine oocytes. Molecular Reproduction and Development, 2002, 62, 387-396.	1.0	47
21	Asynchronous meiotic progression in porcine oocytes matured in vitro: a cause of polyspermic fertilization?. Reproduction, Fertility and Development, 1997, 9, 187.	0.1	44
22	Sex Differentiation and Germ Cell Production in Chimeric Pigs Produced by Inner Cell Mass Injection into Blastocysts. Biology of Reproduction, 2004, 70, 702-707.	1.2	42
23	Effect of DNA concentration on transgenesis rates in mice and pigs. Transgenic Research, 2001, 10, 523-531.	1.3	41
24	Sow litter size is increased in the subsequent parity when lactating sows are fed diets containing n-3 fatty acids from fish oil1. Journal of Animal Science, 2011, 89, 2731-2738.	0.2	40
25	Targeted insertion of an anti-CD2 monoclonal antibody transgene into the GGTA1 locus in pigs using FokI-dCas9. Scientific Reports, 2017, 7, 8383.	1.6	37
26	Piglets born from centrifuged and vitrified early and peri-hatching blastocysts. Theriogenology, 2002, 57, 2155-2165.	0.9	36
27	Recent advances in cryopreservation of porcine embryos. Theriogenology, 1994, 41, 113-118.	0.9	34
28	Cytochalasin B and Trichostatin A Treatment Postactivation ImprovesIn VitroDevelopment of Porcine Somatic Cell Nuclear Transfer Embryos. Cloning and Stem Cells, 2009, 11, 477-482.	2.6	34
29	Piglets produced from in vivo blastocysts vitrified using the Cryologic Vitrification Method (solid) Tj ETQq1 1 0.784314 rgBT /Overlock	0.9	34
30	Efficient generation of alpha(1,3) galactosyltransferase knockout porcine fetal fibroblasts for nuclear transfer. Transgenic Research, 2002, 11, 143-150.	1.3	33
31	EXPRESSION OF FUNCTIONAL DECAY-ACCELERATING FACTOR (CD55) IN TRANSGENIC MICE PROTECTS AGAINST HUMAN COMPLEMENT-MEDIATED ATTACK1. Transplantation, 1996, 61, 582-588.	0.5	33
32	Versatile coâ€expression of graftâ€protective proteins using 2Aâ€linked cassettes. Xenotransplantation, 2011, 18, 121-130.	1.6	31
33	<scp>hCTLA</scp>4â€Ig transgene expression in keratocytes modulates rejection of corneal xenografts in a pig to nonâ€human primate anterior lamellar keratoplasty model. Xenotransplantation, 2014, 21, 431-443.	1.6	31
34	Xenogeneic transplantation and tolerance in the era of CRISPR-Cas9. Current Opinion in Organ Transplantation, 2019, 24, 5-11.	0.8	31
35	Xenoantibody response to porcine islet cell transplantation using <scp>GTKO</scp>,<scp> CD</scp>55, <scp>CD</scp>59, and fucosyltransferase multiple transgenic donors. Xenotransplantation, 2014, 21, 244-253.	1.6	30
36	Highâ€level coâ€expression of complement regulators on vascular endothelium in transgenic mice: CD55 and CD59 provide greater protection from human complementâ€mediated injury than CD59 alone. Xenotransplantation, 1998, 5, 184-190.	1.6	29

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37	Activation of in vivo- and in vitro-derived porcine oocytes by using multiple electrical pulses. Reproduction, Fertility and Development, 1999, 11, 457.	0.1	28
38	Development of Culture Conditions for the Isolation of Pluripotent Porcine Embryonal Outgrowths from In Vitro Produced and In Vivo Derived Embryos. Journal of Reproduction and Development, 2010, 56, 546-551.	0.5	28
39	Nuclear transfer of porcine embryos using cryopreserved delipated blastomeres as donor nuclei. Molecular Reproduction and Development, 1997, 48, 339-343.	1.0	27
40	In vitro development of porcine nuclear transfer embryos constructed using fetal fibroblasts. Molecular Reproduction and Development, 2000, 57, 262-269.	1.0	27
41	Targeting gene expression to endothelium in transgenic animals: a comparison of the human ICAM-2, PECAM-1 and endoglin promoters. Xenotransplantation, 2003, 10, 223-231.	1.6	27
42	Isolation and In Vitro Characterization of Putative Porcine Embryonic Stem Cells from Cloned Embryos Treated with Trichostatin A. Cellular Reprogramming, 2011, 13, 205-213.	0.5	27
43	Piglets born from vitrified early blastocysts using a simple technique. Australian Veterinary Journal, 2000, 78, 195-196.	0.5	25
44	Effect of previous undernutrition on the ovulation rate of Merino ewes supplemented with lupin grain. Animal Reproduction Science, 1997, 49, 29-36.	0.5	23
45	Bortezomib, C1-Inhibitor and Plasma Exchange Do Not Prolong the Survival of Multi-Transgenic GalT-KO Pig Kidney Xenografts in Baboons. American Journal of Transplantation, 2015, 15, 358-370.	2.6	23
46	Evaluation of a nutritional strategy to increase ovulation rate in Merino ewes mated in late spring-early summer. Animal Reproduction Science, 1997, 47, 255-261.	0.5	21
47	Genetic modification of pigs for solid organ xenotransplantation. Transplantation Reviews, 2011, 25, 9-20.	1.2	21
48	Insulin Increases Epiblast Cell Number of In Vitro Cultured Mouse Embryos via the PI3K/GSK3/p53 Pathway. Stem Cells and Development, 2012, 21, 2430-2441.	1.1	21
49	Feeding lupin grain for six days prior to a cloprostenol-induced luteolysis can increase ovulation rate in sheep irrespective of when in the oestrous cycle supplementation commences. Reproduction, Fertility and Development, 1990, 2, 189.	0.1	20
50	Sustained function of genetically modified porcine lungs in an ex vivo model of pulmonary xenotransplantation. Journal of Heart and Lung Transplantation, 2013, 32, 1123-1130.	0.3	20
51	Effect of follicle size and dibutyryl cAMP on the cAMP content and gap junctional communication of porcine prepubertal cumulus - oocyte complexes during IVM. Reproduction, Fertility and Development, 2009, 21, 796.	0.1	19
52	Responses to maternal GH or ractopamine during earlyâ€“mid pregnancy are similar in primiparous and multiparous pregnant pigs. Journal of Endocrinology, 2009, 203, 143-154.	1.2	18
53	Effect of melatonin on postpartum anestrus in beef cows. Theriogenology, 1986, 26, 621-629.	0.9	17
54	Direct ovarian - uterine transfer of progesterone increases embryo survival in gilts. Reproduction, Fertility and Development, 2011, 23, 921.	0.1	17

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55	Calcium Release at Fertilization: Artificially Mimicking the Oocyte's Response to Sperm.. Journal of Reproduction and Development, 2002, 48, 313-333.	0.5	17
56	Xenotransplantation of Genetically Modified Neonatal Pig Islets Cures Diabetes in Baboons. Frontiers in Immunology, 0, 13, .	2.2	16
57	The Effect of Energy Substrate Concentration and Amino Acids on the In Vitro Development of Preimplantation Porcine Embryos. Cloning and Stem Cells, 2007, 9, 206-215.	2.6	15
58	Clinicopathological findings in nonâ€human primate recipients of porcine renal xenografts: quantitative and qualitative evaluation of proteinuria. Xenotransplantation, 2013, 20, 449-457.	1.6	14
59	Adding Essential Amino Acids at a Low Concentration Improves the Development of In Vitro Fertilized Porcine Embryos. Journal of Reproduction and Development, 2009, 55, 373-377.	0.5	13
60	Development of a nutritional strategy for increasing lamb survival in Merino ewes mated in late spring/early summer. Animal Reproduction Science, 1998, 52, 213-219.	0.5	11
61	Transgenic perspectives in xenotransplantation, 2001. Xenotransplantation, 2002, 9, 305-308.	1.6	11
62	Maternal responses to daily maternal porcine somatotropin injections during early-mid pregnancy or early-late pregnancy in sows and gilts1. Journal of Animal Science, 2010, 88, 1365-1378.	0.2	9
63	Thromboelastographic evaluation of coagulative profiles in pig-to-monkey kidney xenotransplantation. Xenotransplantation, 2013, 20, 89-99.	1.6	9
64	Fok Iâ€dCas9 mediates highâ€fidelity genome editing in pigs. Xenotransplantation, 2020, 27, e12551.	1.6	9
65	Improved Survival of Porcine Hatched Blastocysts Cryopreserved with Glycerol and Sucrose.. Journal of Reproduction and Development, 1995, 41, 165-170.	0.5	9
66	A Comparison of Two In Vitro Maturation Media for Use with Adult Porcine Oocytes for Adult Somatic Cell Nuclear Transfer. Cloning and Stem Cells, 2007, 9, 564-570.	2.6	8
67	On the need for porcine embryonic stem cells to produce Gal KO pigs expressing multiple transgenes to advance xenotransplantation research. Xenotransplantation, 2010, 17, 411-412.	1.6	8
68	Development of a Mouse Model for Studying the Effect of Embryo Culture on Embryonic Stem Cell Derivation. Stem Cells and Development, 2011, 20, 1577-1586.	1.1	8
69	Genetic modification for xenotransplantation: transgenics and clones. Transplantation Proceedings, 2001, 33, 3053-3054.	0.3	5
70	Isolation and Culture of Porcine Embryonic Stem Cells. Methods in Molecular Biology, 2013, 1074, 85-95.	0.4	5
71	Epiblast Cell Number and Primary Embryonic Stem Cell Colony Generation Are Increased by Culture of Cleavage Stage Embryos in Insulin. Journal of Reproduction and Development, 2013, 59, 131-138.	0.5	5
72	Freezing of in Vivo Derived and in Vitro Pre-Cultured Porcine Blastocysts: Differences of the Cryoprotective Effect between Glycerol and Ethylene Glycol.. Journal of Reproduction and Development, 1996, 42, 193-197.	0.5	5

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73	Rhesus monkeys and baboons develop clotting factor VIII inhibitors in response to porcine endothelial cells or islets. Xenotransplantation, 2014, 21, 341-352.	1.6	4
74	Molecular regulation of xenoreactivity. Current Opinion in Organ Transplantation, 2007, 12, 30-36.	0.8	3
75	Energy balance influences number of ovulations rather than embryo quality in the pig. Theriogenology, 2016, 86, 1008-1013.	0.9	3
76	Islet xenotransplantation: progress towards a clinical therapy. Current Opinion in Organ Transplantation, 2006, 11, 174-179.	0.8	2
77	Maternal low-dose porcine somatotropin treatment in late gestation increases progeny weight at birth and weaning in sows, but not in gilts1. Journal of Animal Science, 2012, 90, 1428-1435.	0.2	2
78	Use of Insulin to Increase Epiblast Cell Number: Towards a New Approach for Improving ESC Isolation from Human Embryos. BioMed Research International, 2013, 2013, 1-7.	0.9	2
79	Clonidine inhibits antiâ€nonâ€Gal IgM xenoantibody elicited in multiple pigâ€toâ€primate models. Xenotransplantation, 2015, 22, 413-426.	1.6	2
80	Reproductive Responses to Daily Injections with Porcine Somatotropin Before Mating in Gilts. Journal of Reproduction and Development, 2010, 56, 540-545.	0.5	2
81	Transgenic perspectives in livestock science: a review. Australian Journal of Experimental Agriculture, 2004, 44, 1113.	1.0	1
82	Long-Term Function of Genetically Modified Porcine Neonatal Islet Xenografts in Baboons. Transplantation, 2018, 102, S390.	0.5	0