

Monica Forni

List of Publications by Year in descending order

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110
papers

2,372
citations

257101

24
h-index

253896

43
g-index

112
all docs

112
docs citations

112
times ranked

2776
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient production by sperm-mediated gene transfer of human decay accelerating factor (hDAF) transgenic pigs for xenotransplantation. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 14230-14235.	3.3	162
2	Vascular Endothelial Growth Factor Production in Growing Pig Antral Follicles. Biology of Reproduction, 2000, 63, 858-864.	1.2	157
3	Carbon monoxide improves cardiac energetics and safeguards the heart during reperfusion after cardiopulmonary bypass in pigs. FASEB Journal, 2004, 18, 1093-1095.	0.2	108
4	Carbon monoxide pretreatment prevents respiratory derangement and ameliorates hyperacute endotoxic shock in pigs. FASEB Journal, 2005, 19, 2045-2047.	0.2	102
5	Genetically modified pigs produced with a nonviral episomal vector. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 17672-17677.	3.3	99
6	Sperm mediated gene transfer in pig: Selection of donor boars and optimization of DNA uptake. Molecular Reproduction and Development, 2003, 64, 284-291.	1.0	87
7	The biomedical piglet: establishing reference intervals for haematology and clinical chemistry parameters of two age groups with and without iron supplementation. BMC Veterinary Research, 2016, 13, 23.	0.7	76
8	Multi-transgenic pigs expressing three fluorescent proteins produced with high efficiency by sperm mediated gene transfer. Molecular Reproduction and Development, 2005, 72, 68-76.	1.0	72
9	In situ detection of apoptosis in regressing corpus luteum of pregnant sow: Evidence of an early presence of DNA fragmentation. Domestic Animal Endocrinology, 1996, 13, 361-372.	0.8	69
10	Sperm-mediated gene transfer: Production of pigs transgenic for a human regulator of complement activation. Transplantation Proceedings, 1997, 29, 3508-3509.	0.3	58
11	Localization of cannabinoid receptors CB1, CB2, GPR55, and PPAR α in the canine gastrointestinal tract. Histochemistry and Cell Biology, 2018, 150, 187-205.	0.8	57
12	Prognostic value of serum vascular endothelial growth factor (VEGF) and plasma activity of matrix metalloproteinase (MMP) 2 and 9 in lymphoma-affected dogs. Leukemia Research, 2005, 29, 1263-1269.	0.4	45
13	Hair cortisol determination in sows in two consecutive reproductive cycles. Reproductive Biology, 2014, 14, 218-223.	0.9	43
14	Expression of endothelin-1 system in a pig model of endotoxic shock. Regulatory Peptides, 2005, 131, 89-96.	1.9	41
15	Heat shock protein 70, heat shock protein 32, and vascular endothelial growth factor production and their effects on lipopolysaccharide-induced apoptosis in porcine aortic endothelial cells. Cell Stress and Chaperones, 2005, 10, 340.	1.2	38
16	Effects of 50 Hz sinusoidal magnetic fields on Hsp27, Hsp70, Hsp90 expression in porcine aortic endothelial cells (PAEC). Bioelectromagnetics, 2007, 28, 231-237.	0.9	31
17	Expression of HSP70/HSC70 in swine blastocysts: Effects of oxidative and thermal stress. Molecular Reproduction and Development, 2004, 69, 303-307.	1.0	30
18	Characterization and differential expression of vascular endothelial growth factor isoforms and receptors in swine corpus luteum throughout estrous cycle. Molecular Reproduction and Development, 2007, 74, 163-171.	1.0	30

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19	Intravitreal NGF administration counteracts retina degeneration after permanent carotid artery occlusion in rat. <i>BMC Neuroscience</i> , 2009, 10, 52.	0.8	29
20	Anti-Inflammatory Activity of <i>Boswellia serrata</i> Extracts: An <i>In Vitro</i> Study on Porcine Aortic Endothelial Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-9.	1.9	29
21	Diet Induced Mild Hypercholesterolemia in Pigs: Local and Systemic Inflammation, Effects on Vascular Injury – Rescue by High-Dose Statin Treatment. <i>PLoS ONE</i> , 2013, 8, e80588.	1.1	29
22	Human decay accelerating factor transgenic pigs for xenotransplantation obtained by sperm-mediated gene transfer. <i>Transplantation Proceedings</i> , 1999, 31, 972-974.	0.3	28
23	Loss of ecto-5'-nucleotidase from porcine endothelial cells after exposure to human blood: Implications for xenotransplantation. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2005, 1741, 191-198.	1.8	28
24	Procalcitonin gene expression after LPS stimulation in the porcine animal model. <i>Research in Veterinary Science</i> , 2012, 93, 921-927.	0.9	26
25	Laparoscopic insemination technique with low numbers of spermatozoa in superovulated prepuberal gilts for biotechnological application. <i>Theriogenology</i> , 2005, 63, 806-817.	0.9	25
26	Cellular Distribution of Canonical and Putative Cannabinoid Receptors in Canine Cervical Dorsal Root Ganglia. <i>Frontiers in Veterinary Science</i> , 2019, 6, 313.	0.9	24
27	Pathogenetic role of hypercholesterolemia in a novel preclinical model of vascular injury in pigs. <i>Atherosclerosis</i> , 2009, 207, 384-390.	0.4	23
28	Cells derived from porcine aorta tunica media show mesenchymal stromal-like cell properties in <i>in vitro</i> culture. <i>American Journal of Physiology - Cell Physiology</i> , 2014, 306, C322-C333.	2.1	23
29	Antimicrobial capabilities of non-spermicidal concentrations of tea tree (<i>Melaleuca alternifolia</i>) and rosemary (<i>Rosmarinus officinalis</i>) essential oils on the liquid phase of refrigerated swine seminal doses. <i>Research in Veterinary Science</i> , 2019, 127, 76-81.	0.9	23
30	Mitochondrial Ca ²⁺ -activated F ₁ F ₀ -ATPase hydrolyzes ATP and promotes the permeability transition pore. <i>Annals of the New York Academy of Sciences</i> , 2019, 1457, 142-157.	1.8	23
31	Cellular stress marker alteration and inflammatory response in pigs fed with an ochratoxin contaminated diet. <i>Research in Veterinary Science</i> , 2014, 97, 244-250.	0.9	21
32	Effect of tributyltin on mammalian endothelial cell integrity. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2015, 176-177, 79-86.	1.3	21
33	Cytotoxic Effects of <i>Artemisia annua</i> L. and Pure Artemisinin on the D-17 Canine Osteosarcoma Cell Line. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-9.	1.9	20
34	Reduction of hyperacute rejection and protection of metabolism and function in hearts of human decay accelerating factor (hDAF)-expressing pigs†. <i>Cardiovascular Research</i> , 2007, 73, 143-152.	1.8	19
35	Laboratory Animal Science: A Resource to Improve the Quality of Science. <i>Veterinary Research Communications</i> , 2007, 31, 43-47.	0.6	19
36	Expression and regulation of β -transducin in the pig gastrointestinal tract. <i>Journal of Cellular and Molecular Medicine</i> , 2013, 17, 466-474.	1.6	19

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37	A comprehensive review on non-clinical methods to study transfer of medication into breast milk â€“ A contribution from the ConcePTION project. <i>Biomedicine and Pharmacotherapy</i> , 2021, 136, 111038.	2.5	19
38	In vitro differentiation of porcine aortic vascular precursor cells to endothelial and vascular smooth muscle cells. <i>American Journal of Physiology - Cell Physiology</i> , 2015, 309, C320-C331.	2.1	18
39	Enhancing quality with a research-based student feedback instrument: a comparison of veterinary studentsâ€™ learning experiences in two culturally different European universities. <i>Quality in Higher Education</i> , 2017, 23, 249-263.	0.6	18
40	Vascular Wallâ€™ Mesenchymal Stem Cells Differentiation on 3D Biodegradable Highly Porous CaSi-DCPD Doped Poly (Î±-hydroxy) Acids Scaffolds for Bone Regeneration. <i>Nanomaterials</i> , 2020, 10, 243.	1.9	18
41	Sperm-mediated gene transferâ€™ treated spermatozoa maintain good quality parameters and in vitro fertilization ability in swine. <i>Theriogenology</i> , 2009, 72, 1163-1170.	0.9	17
42	Protective effect of carbon monoxide pre-conditioning on LPS-induced endothelial cell stress. <i>Cell Stress and Chaperones</i> , 2010, 15, 219-224.	1.2	17
43	In Vivo Effects of Einkorn Wheat (<i>Triticum monococcum</i>) Bread on the Intestinal Microbiota, Metabolome, and on the Glycemic and Insulinemic Response in the Pig Model. <i>Nutrients</i> , 2019, 11, 16.	1.7	17
44	Animal Models for In Vivo Lactation Studies: Anatomy, Physiology and Milk Compositions in the Most Used Non-Clinical Species: A Contribution from the ConcePTION Project. <i>Animals</i> , 2021, 11, 714.	1.0	17
45	Non-clinical Models to Determine Drug Passage into Human Breast Milk. <i>Current Pharmaceutical Design</i> , 2019, 25, 534-548.	0.9	17
46	Recruited leukocytes and local synthesis account for increased matrix metalloproteinase-9 activity in cerebrospinal fluid of dogs with central nervous system neoplasm. <i>Journal of Neuro-Oncology</i> , 2006, 81, 123-129.	1.4	16
47	Differential expression of nitric oxide synthases in porcine aortic endothelial cells during LPS-induced apoptosis. <i>Journal of Inflammation</i> , 2012, 9, 47.	1.5	16
48	Relationships between innovative and traditional parameters to investigate semen quality in pigs. <i>Animal Reproduction Science</i> , 2007, 99, 72-81.	0.5	15
49	Evaluation of swine fertilisation medium (SFM) efficiency in preserving spermatozoa quality during long-term storage in comparison to four commercial swine extenders. <i>Animal</i> , 2009, 3, 269-274.	1.3	15
50	A study on some welfare-related parameters of hDAF transgenic pigs when compared with their conventional close relatives. <i>Animal</i> , 2014, 8, 810-816.	1.3	15
51	Can Microfiltered Seminal Plasma Preserve the Morphofunctional Characteristics of Porcine Spermatozoa in the Absence of Antibiotics? A Preliminary Study. <i>Reproduction in Domestic Animals</i> , 2016, 51, 604-610.	0.6	15
52	Prostaglandin F2-alpha receptor (FPr) expression on porcine corpus luteum microvascular endothelial cells (pCL-MVECs). <i>Reproductive Biology and Endocrinology</i> , 2007, 5, 31.	1.4	14
53	Doxorubicin treatment modulates chemoresistance and affects the cell cycle in two canine mammary tumour cell lines. <i>BMC Veterinary Research</i> , 2021, 17, 30.	0.7	14
54	Relationship between serum concentration, functional parameters and cell bioenergetics in IPEC-J2 cell line. <i>Histochemistry and Cell Biology</i> , 2021, 156, 59-67.	0.8	14

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55	Gelatinases, endonuclease and Vascular Endothelial Growth Factor during development and regression of swine luteal tissue. <i>BMC Developmental Biology</i> , 2006, 6, 58.	2.1	13
56	Differential gene expression and immune localization of the orexin system in the major salivary glands of pigs. <i>Regulatory Peptides</i> , 2011, 172, 51-57.	1.9	13
57	Retrospective monitoring of minimal residual disease using hairpin-shaped clone specific primers in B-cell lymphoma affected dogs. <i>Veterinary Immunology and Immunopathology</i> , 2013, 153, 279-288.	0.5	13
58	Non-invasive Assessment of Fecal Stress Biomarkers in Hunting Dogs During Exercise and at Rest. <i>Frontiers in Veterinary Science</i> , 2020, 7, 126.	0.9	13
59	Characterization of Atrial and Ventricular Structural Remodeling in a Porcine Model of Atrial Fibrillation Induced by Atrial Tachypacing. <i>Frontiers in Veterinary Science</i> , 2020, 7, 179.	0.9	13
60	Coupling sperm mediated gene transfer and sperm sorting techniques: a new perspective for swine transgenesis. <i>Theriogenology</i> , 2010, 74, 856-862.	0.9	12
61	Effect of photoperiod on endocrine profiles and vitellogenin expression in European eels <i>Anguilla anguilla</i> during artificially induced ovarian development. <i>Theriogenology</i> , 2015, 83, 478-484.	0.9	12
62	Bioavailability of Microencapsulated Iron from Fortified Bread Assessed Using Piglet Model. <i>Nutrients</i> , 2017, 9, 272.	1.7	12
63	Expression of fluorescent reporter protein in equine embryos produced through intracytoplasmic sperm injection mediated gene transfer (ICSI-MGT). <i>Animal Reproduction Science</i> , 2013, 137, 53-61.	0.5	11
64	Influence of <i>Lactobacillus kefir</i> on Intestinal Microbiota and Fecal IgA Content of Healthy Dogs. <i>Frontiers in Veterinary Science</i> , 2020, 7, 146.	0.9	11
65	Opposite regulation of clusterin and LH receptor in the swine corpus luteum during luteolysis. <i>Reproduction, Nutrition, Development</i> , 2003, 43, 517-525.	1.9	10
66	Water/ethanol extract of <i>Cucumis sativus</i> L. fruit attenuates lipopolysaccharide-induced inflammatory response in endothelial cells. <i>BMC Complementary and Alternative Medicine</i> , 2018, 18, 194.	3.7	10
67	In Vitro Anti-Inflammatory Effect of <i>Salvia sagittata</i> Ethanolic Extract on Primary Cultures of Porcine Aortic Endothelial Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-11.	1.9	10
68	hDAF expression in hearts of transgenic pigs obtained by sperm-mediated gene transfer. <i>Transplantation Proceedings</i> , 2000, 32, 895-896.	0.3	9
69	<i>Treponema denticola</i> alters cell vitality and induces HO-1 and Hsp70 expression in porcine aortic endothelial cells. <i>Cell Stress and Chaperones</i> , 2010, 15, 509-516.	1.2	9
70	Regulation of $\hat{1}\pm$ -Transducin and $\hat{1}\pm$ -Gustducin Expression by a High Protein Diet in the Pig Gastrointestinal Tract. <i>PLoS ONE</i> , 2016, 11, e0148954.	1.1	9
71	Constitutive and LPS-stimulated secretome of porcine Vascular Wall-Mesenchymal Stem Cells exerts effects on in vitro endothelial angiogenesis. <i>BMC Veterinary Research</i> , 2019, 15, 123.	0.7	9
72	Efficacy of Stem Cell Therapy in Large Animal Models of Ischemic Cardiomyopathies: A Systematic Review and Meta-Analysis. <i>Animals</i> , 2022, 12, 749.	1.0	9

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73	Mitochondria Bioenergetic Functions and Cell Metabolism Are Modulated by the Bergamot Polyphenolic Fraction. <i>Cells</i> , 2022, 11, 1401.	1.8	9
74	Preliminary Assessment of the Mucosal Toxicity of Tea Tree (<i>Melaleuca alternifolia</i>) and Rosemary (<i>Rosmarinus officinalis</i>) Essential Oils on Novel Porcine Uterus Models. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3350.	1.8	8
75	Orexin system expression in the gastrointestinal tract of pigs. <i>Research in Veterinary Science</i> , 2013, 95, 8-14.	0.9	7
76	Uncovering the Physiological Mechanisms Underlying the Roe Deer (<i>Capreolus capreolus</i>) Testicular Cycle: Analyses of Gelatinases and VEGF Patterns and Correlation with Testes Weight and Testosterone. <i>Animals</i> , 2020, 10, 444.	1.0	7
77	DNase I activity in pig MII oocytes: implications in transgenesis. <i>Reproduction</i> , 2006, 131, 461-468.	1.1	6
78	Matrix Metalloproteinases -2 and -9 in Swine Luteal Tissue Angiogenesis and Angioregression. <i>Veterinary Research Communications</i> , 2007, 31, 193-196.	0.6	6
79	Real-time quantitative PCR using hairpin-shaped clone-specific primers for minimal residual disease assessment in an animal model of human non-Hodgkin lymphoma. <i>Molecular and Cellular Probes</i> , 2010, 24, 6-14.	0.9	6
80	Alteration of immunological parameters in infectious bronchitis vaccinated "specific pathogen-free broilers after the use of different infectious bursal disease vaccines. <i>Poultry Science</i> , 2020, 99, 4351-4359.	1.5	6
81	Alteration of Constitutive Heat Shock Protein 70 (HSC70) Production by in vitro Culture of Porcine Preimplanted Embryos. <i>Veterinary Research Communications</i> , 2003, 27, 575-578.	0.6	5
82	Inhaled Carbon Monoxide (CO) Prevents Lung Oedema Induced by Endotoxic Shock. <i>Veterinary Research Communications</i> , 2004, 28, 209-212.	0.6	5
83	Fasting influences steroidogenesis, vascular endothelial growth factor (VEGF) levels and mRNAs expression for VEGF, VEGF receptor type 2 (VEGFR-2), endothelin-1 (ET-1), endothelin receptor type A (ET-A) and endothelin converting enzyme-1 (ECE-1) in newly formed pig corpora lutea. <i>Domestic Animal Endocrinology</i> , 2005, 28, 272-284.	0.8	5
84	Complete sequencing of full-length canine ataxia telangiectasia mutated mRNA and characterization of its putative promoter. <i>Veterinary Immunology and Immunopathology</i> , 2009, 128, 437-440.	0.5	5
85	Characterization of metabolic profiles and lipopolysaccharide effects on porcine vascular wall mesenchymal stem cells. <i>Journal of Cellular Physiology</i> , 2019, 234, 16685-16691.	2.0	5
86	Vitamin K Vitamers Differently Affect Energy Metabolism in IPEC-J2 Cells. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 682191.	1.6	5
87	<p>Barrier Effect of a New Topical Agent on Damaged Esophageal Mucosa: Experimental Study on an ex vivo Swine Model</p>. <i>Clinical and Experimental Gastroenterology</i> , 2020, Volume 13, 569-576.	1.0	5
88	Influence of Dietary Supplementation with <i>Boswellia serrata</i> and <i>Salix alba</i> on Performance and Blood Biochemistry in Free-Range Leghorn Laying Hens. <i>Veterinary Sciences</i> , 2022, 9, 182.	0.6	5
89	Exposure to Human Blood Inactivates Swine Endothelial Ecto-5'â€²-Nucleotidase. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005, 24, 271-274.	0.4	4
90	Proteinase-activated receptor 2 expression in the intestinal tract of the horse. <i>Research in Veterinary Science</i> , 2014, 96, 464-471.	0.9	4

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91	Deleterious effects of tributyltin on porcine vascular stem cells physiology. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2016, 185-186, 38-44.	1.3	4
92	X and Y chromosome-bearing spermatozoa are equally able to uptake and internalize exogenous DNA by sperm-mediated gene transfer in swine. <i>Research in Veterinary Science</i> , 2016, 104, 1-3.	0.9	4
93	Semen evaluation and in vivo fertility in a Northern Italian pig farm: Can advanced statistical approaches compensate for low sample size? An observational study. <i>Animal Reproduction Science</i> , 2018, 192, 61-68.	0.5	4
94	Butyric acid induces spontaneous adipocytic differentiation of porcine bone marrow-derived mesenchymal stem cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2019, 55, 17-24.	0.7	4
95	<i>Ex vivo</i> effect of vascular wall stromal cells secretome on enteric ganglia. <i>World Journal of Gastroenterology</i> , 2019, 25, 4892-4903.	1.4	4
96	Use of the polymerase chain reaction to clone the potato leafroll virus coat protein gene directly from the total RNA of infected plants. <i>Potato Research</i> , 1995, 38, 211-218.	1.2	3
97	Induced Metastable Memory in Heat Shock Response. <i>Journal of Biological Physics</i> , 2006, 32, 49-59.	0.7	3
98	<i>Clinopodium tomentosum</i> (Kunth) Govaerts Leaf Extract Influences in vitro Cell Proliferation and Angiogenesis on Primary Cultures of Porcine Aortic Endothelial Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-11.	1.9	3
99	Localization of the Serotonin Transporter in the Dog Intestine and Comparison to the Rat and Human Intestines. <i>Frontiers in Veterinary Science</i> , 2021, 8, 802479.	0.9	3
100	Pulmonary kinetic expression of the endothelin system in a swine model of endotoxic shock. <i>Veterinary Research Communications</i> , 2010, 34, 21-24.	0.6	2
101	Effects of Hydrogen Sulfide Donor NaHS on Porcine Vascular Wall-Mesenchymal Stem Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5267.	1.8	2
102	Development of a Pig Mammary Epithelial Cell Culture Model as a Non-Clinical Tool for Studying Epithelial Barrier – A Contribution from the IMI-ConcePTION Project. <i>Animals</i> , 2021, 11, 2012.	1.0	2
103	A novel <i>ex vivo</i> porcine model of acid-induced esophageal damage for preliminary functional evaluations of anti-gastroesophageal reflux disease medical devices. <i>Veterinary World</i> , 2020, 13, 2728-2735.	0.7	2
104	A method for uptake quantification of multiple fluorescent DNAs in boar semen as an alternative to radiolabeling. <i>Journal of Biomolecular Techniques</i> , 2010, 21, 61-5.	0.8	2
105	Endonuclease Activity in Swine Ovarian Cysts. <i>Veterinary Research Communications</i> , 2003, 27, 635-637.	0.6	1
106	Evaluation of Matrix Metalloproteinases 2 and 9 Activity in Cerebrospinal Fluid of Dogs with Non-Inflammatory Diseases of the Central Nervous System. <i>Veterinary Research Communications</i> , 2006, 30, 317-319.	0.6	0
107	Food deprivation stimulates the luteolytic capacity in the gilt. <i>Domestic Animal Endocrinology</i> , 2007, 33, 281-293.	0.8	0
108	Development of a Vessel Organ Culture System: Characterisation of the Method and Implications for the Reduction of Animal Experiments. <i>ATLA Alternatives To Laboratory Animals</i> , 2013, 41, 259-269.	0.7	0

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109	Expression of Proteinase-Activated Receptor 2 During Colon Volvulus in the Horse. <i>Frontiers in Veterinary Science</i> , 2020, 7, 589367.	0.9	0
110	Testicular Melatonin and Its Pathway in Roe Deer Bucks (<i>Capreolus capreolus</i>) during Pre- and Post-Rut Periods: Correlation with Testicular Involution. <i>Animals</i> , 2021, 11, 1874.	1.0	0