

Steven J Van Cruchten

List of Publications by Year in descending order

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72
papers

1,817
citations

331259

21
h-index

288905

40
g-index

78
all docs

78
docs citations

78
times ranked

2461
citing authors

#	ARTICLE	IF	CITATIONS
1	Prewaning performance in intrauterine growth-restricted piglets: Characteristics and interventions. <i>Molecular Reproduction and Development</i> , 2023, 90, 697-707.	1.0	4
2	Drenching Bovine Colostrum, Quercetin or Fructo-Oligosaccharides Has No Effect on Health or Survival of Low Birth Weight Piglets. <i>Animals</i> , 2022, 12, 55.	1.0	4
3	In vitro biotransformation of proteratogens in different laboratory animal models, including the zebrafish. <i>Reproductive Toxicology</i> , 2021, 99, 132-133.	1.3	0
4	Handling Associated with Drenching Does Not Impact Survival and General Health of Low Birth Weight Piglets. <i>Animals</i> , 2021, 11, 404.	1.0	8
5	Low birth weight female piglets show altered intestinal development, gene expression, and epigenetic changes at key developmental loci. <i>FASEB Journal</i> , 2021, 35, e21522.	0.2	12
6	Safety Testing of an Antisense Oligonucleotide Intended for Pediatric Indications in the Juvenile Göttingen Minipig, including an Evaluation of the Ontogeny of Key Nucleases. <i>Pharmaceutics</i> , 2021, 13, 1442.	2.0	4
7	Mass Spectrometry-Based Zebrafish Toxicometabolomics: A Review of Analytical and Data Quality Challenges. <i>Metabolites</i> , 2021, 11, 635.	1.3	13
8	Species selection for nonclinical safety assessment of drug candidates: Examples of current industry practice. <i>Regulatory Toxicology and Pharmacology</i> , 2021, 126, 105029.	1.3	19
9	The Neonatal and Juvenile Pig in Pediatric Drug Discovery and Development. <i>Pharmaceutics</i> , 2021, 13, 44.	2.0	17
10	Preterm Birth Affects Early Motor Development in Pigs. <i>Frontiers in Pediatrics</i> , 2021, 9, 731877.	0.9	3
11	Ontogeny of renal, hepatic, and placental expression of ATP-binding cassette and solute carrier transporters in the rat and the rabbit. <i>Reproductive Toxicology</i> , 2021, 107, 1-9.	1.3	1
12	Developmental Toxicity and Biotransformation of Two Anti-Epileptics in Zebrafish Embryos and Early Larvae. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12696.	1.8	4
13	DMSO Concentrations up to 1% are Safe to be Used in the Zebrafish Embryo Developmental Toxicity Assay. <i>Frontiers in Toxicology</i> , 2021, 3, 804033.	1.6	28
14	Use of Zebrafish in Drug Discovery Toxicology. <i>Chemical Research in Toxicology</i> , 2020, 33, 95-118.	1.7	315
15	A Medium-Throughput System for In Vitro Oxidative Stress Assessment in IPEC-J2 Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7263.	1.8	10
16	Refinement of the zebrafish embryo developmental toxicity assay. <i>MethodsX</i> , 2020, 7, 101087.	0.7	9
17	A Physiology-Based Pharmacokinetic Framework to Support Drug Development and Dose Precision During Therapeutic Hypothermia in Neonates. <i>Frontiers in Pharmacology</i> , 2020, 11, 587.	1.6	26
18	Short-chain fructo-oligosaccharides supplementation to suckling piglets: Assessment of pre- and post-weaning performance and gut health. <i>PLoS ONE</i> , 2020, 15, e0233910.	1.1	10

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19	Birthweight determines intestinal microvasculature development and alters endothelial nitric oxide synthase density in young piglets. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2020, 49, 627-634.	0.3	3
20	Glucose and glycogen levels in piglets that differ in birth weight and vitality. <i>Heliyon</i> , 2019, 5, e02510.	1.4	21
21	Does intrauterine crowding affect the force generating capacity and muscle composition of the piglet front limb?. <i>PLoS ONE</i> , 2019, 14, e0223851.	1.1	4
22	On the characterisation of the porcine gland-specific salivary proteome. <i>Journal of Proteomics</i> , 2019, 196, 92-105.	1.2	10
23	Advancing the Zebrafish embryo test for endocrine disruptor screening using microinjection: Ethinyl estradiol as a case study. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 533-547.	2.2	6
24	UPLC/MS MS data of testosterone metabolites in human and zebrafish liver microsomes and whole zebrafish larval microsomes. <i>Data in Brief</i> , 2018, 16, 644-648.	0.5	2
25	The porcine tonsils and Peyer's patches: A stereological morphometric analysis in conventionally and artificially reared piglets. <i>Veterinary Immunology and Immunopathology</i> , 2018, 206, 9-15.	0.5	3
26	From mRNA Expression of Drug Disposition Genes to In Vivo Assessment of CYP-Mediated Biotransformation during Zebrafish Embryonic and Larval Development. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3976.	1.8	22
27	How does intrauterine crowding affect locomotor performance in newborn pigs? A study of force generating capacity and muscle composition of the hind limb. <i>PLoS ONE</i> , 2018, 13, e0209233.	1.1	12
28	Does intrauterine crowding affect locomotor development? A comparative study of motor performance, neuromotor maturation and gait variability among piglets that differ in birth weight and vitality. <i>PLoS ONE</i> , 2018, 13, e0195961.	1.1	25
29	Gene transcription ontogeny of hypothalamic-pituitary-thyroid axis development in early-life stage fathead minnow and zebrafish. <i>General and Comparative Endocrinology</i> , 2018, 266, 87-100.	0.8	45
30	In vitro Phase I- and Phase II-Drug Metabolism in The Liver of Juvenile and Adult Göttingen Minipigs. <i>Pharmaceutical Research</i> , 2017, 34, 750-764.	1.7	16
31	In vitro CYP-mediated drug metabolism in the zebrafish (embryo) using human reference compounds. <i>Toxicology in Vitro</i> , 2017, 42, 329-336.	1.1	37
32	Pre- and Postnatal Development of the Eye: A Species Comparison. <i>Birth Defects Research</i> , 2017, 109, 1540-1567.	0.8	51
33	Antioxidants reduce reactive oxygen species but not embryotoxicity in the metabolic Danio rerio test (mDarT). <i>Reproductive Toxicology</i> , 2017, 72, 62-73.	1.3	2
34	How innate is locomotion in precocial animals? A study on the early development of spatio-temporal gait variables and gait symmetry in piglets. <i>Journal of Experimental Biology</i> , 2017, 220, 2706-2716.	0.8	29
35	A review on early gut maturation and colonization in pigs, including biological and dietary factors affecting gut homeostasis. <i>Animal Feed Science and Technology</i> , 2017, 233, 89-103.	1.1	61
36	Artificial rearing influences the morphology, permeability and redox state of the gastrointestinal tract of low and normal birth weight piglets. <i>Journal of Animal Science and Biotechnology</i> , 2017, 8, 30.	2.1	13

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37	In Vitro Biotransformation of Two Human CYP3A Probe Substrates and Their Inhibition during Early Zebrafish Development. <i>International Journal of Molecular Sciences</i> , 2017, 18, 217.	1.8	20
38	Evaluating Complex Mixtures in the Zebrafish Embryo by Reconstituting Field Water Samples: A Metal Pollution Case Study. <i>International Journal of Molecular Sciences</i> , 2017, 18, 539.	1.8	13
39	In Vitro Investigation of Six Antioxidants for Pig Diets. <i>Antioxidants</i> , 2016, 5, 41.	2.2	22
40	Birthweight has no influence on chemical body composition and muscle energy stores in suckling piglets. <i>Animal Production Science</i> , 2016, 56, 844.	0.6	6
41	In vitro CYP1A activity in the zebrafish: temporal but low metabolite levels during organogenesis and lack of gender differences in the adult stage. <i>Reproductive Toxicology</i> , 2016, 64, 50-56.	1.3	19
42	Intestinal immune cell quantification and gram type classification of the adherent microbiota in conventionally and artificially reared, normal and low birth weight piglets. <i>Livestock Science</i> , 2016, 185, 1-7.	0.6	9
43	Organ data from the developing Göttingen minipig: first steps towards a juvenile PBPK model. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2016, 43, 179-190.	0.8	8
44	The Ligaments of the Canine Hip Joint Revisited. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2015, 44, 433-440.	0.3	2
45	Age-related Differences in CYP3A Abundance and Activity in the Liver of the Göttingen Minipig. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2015, 117, 350-357.	1.2	13
46	Incubation at 32.5°C and above causes malformations in the zebrafish embryo. <i>Reproductive Toxicology</i> , 2015, 56, 56-63.	1.3	42
47	Nutritional interventions to prevent and rear low birthweight piglets. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2014, 98, 609-619.	1.0	54
48	Ontogeny of CYP3A and P-glycoprotein in the Liver and the Small Intestine of the Göttingen Minipig: An Immunohistochemical Evaluation. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2014, 114, 387-394.	1.2	28
49	Enteric and serological distribution of serotonin and its precursor tryptophan in perinatal low and normal weight piglets. <i>Animal</i> , 2014, 8, 792-799.	1.3	12
50	Lymph Drainage from the Ovine Tonsils: An Anatomical Study of the Tonsillar Lymph Vessels. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2014, 43, 482-489.	0.3	6
51	Angiogenesis in Canine Mammary Tumours: A Morphometric and Prognostic Study. <i>Journal of Comparative Pathology</i> , 2014, 150, 175-183.	0.1	12
52	Lymphangiogenesis in Canine Mammary Tumours: A Morphometric and Prognostic Study. <i>Journal of Comparative Pathology</i> , 2014, 150, 184-193.	0.1	13
53	Ontogeny of CYP3A in the liver of the Göttingen minipig: An immunohistochemical and functional evaluation. <i>Reproductive Toxicology</i> , 2014, 48, 35.	1.3	0
54	Temperatures of 32.5°C and above impact zebrafish embryonic development. <i>Reproductive Toxicology</i> , 2014, 48, 14.	1.3	0

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55	Artificial rearing of piglets: Effects on small intestinal morphology and digestion capacity. <i>Livestock Science</i> , 2014, 159, 165-173.	0.6	38
56	Stereology: From astronomy to veterinary oncology. <i>Veterinary Journal</i> , 2014, 202, 3-4.	0.6	3
57	M cell specific markers in man and domestic animals: Valuable tools in vaccine development. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2013, 36, 353-364.	0.7	15
58	Increased IGF-1 serum levels and discordant protein and mRNA IGF-1 receptor expression in the small intestine of formula-fed piglets. <i>Livestock Science</i> , 2013, 154, 224-228.	0.6	3
59	Ghrelin in the gastrointestinal tract and blood circulation of perinatal low and normal weight piglets. <i>Animal</i> , 2013, 7, 1978-1984.	1.3	10
60	Interferon- β modulates the functional profile of in-vitro-cultured porcine microglia. <i>NeuroReport</i> , 2012, 23, 519-524.	0.6	4
61	Endocrine disruptors and female fertility: Focus on (bovine) ovarian follicular physiology. <i>Theriogenology</i> , 2012, 78, 1887-1900.	0.9	40
62	Osteopontin alters the functional profile of porcine microglia <i>in vitro</i> . <i>Cell Biology International</i> , 2012, 36, 1233-1238.	1.4	19
63	Ontogeny of the drug efflux transporter P-glycoprotein in the small intestine of the pig: A preliminary investigation. <i>Reproductive Toxicology</i> , 2011, 32, 160-161.	1.3	0
64	Cell-specific localisation of apoptosis in the bovine ovary at different stages of the oestrous cycle. <i>Theriogenology</i> , 2006, 65, 757-772.	0.9	26
65	Biological and Chemical Approaches for the Detection and Identification of Illegal Estrogens in Water-based Solutions. <i>Veterinary Research Communications</i> , 2006, 30, 577-585.	0.6	1
66	Canine Endothelial Remodelling During the Estrus Cycle: an Overview. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2005, 34, 52-52.	0.3	0
67	Sperm distribution in the genital tract of the bitch following artificial insemination in relation to the time of ovulation. <i>Reproduction</i> , 2004, 128, 801-811.	1.1	36
68	Proliferation patterns in the canine endometrium during the estrous cycle. <i>Theriogenology</i> , 2004, 62, 631-641.	0.9	40
69	Apoptosis in the canine endometrium during the estrous cycle. <i>Theriogenology</i> , 2003, 60, 1595-1608.	0.9	28
70	Cyclic Changes of the Canine Endometrial Surface: An Electron-Microscopic Study. <i>Cells Tissues Organs</i> , 2003, 173, 46-53.	1.3	3
71	Morphological and Biochemical Aspects of Apoptosis, Oncosis and Necrosis. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2002, 31, 214-223.	0.3	416
72	Scanning Electron Microscopic Changes of the Canine Uterine Luminal Surface during Oestrus and Late Metoestrus. <i>Reproduction in Domestic Animals</i> , 2002, 37, 121-126.	0.6	6