

Mauro Dacasto

List of Publications by Year in descending order

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64
papers

1,172
citations

394421

19
h-index

454955

30
g-index

64
all docs

64
docs citations

64
times ranked

1312
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of malachite green (MG) and its major metabolite, leucomalachite green (LMG), in two human cell lines. <i>Toxicology in Vitro</i> , 2005, 19, 853-858.	2.4	144
2	Challenges in exploring the cytochrome P450 system as a source of variation in canine drug pharmacokinetics. <i>Drug Metabolism Reviews</i> , 2013, 45, 218-230.	3.6	51
3	Effect of Breed upon Cytochromes P450 and Phase II Enzyme Expression in Cattle Liver. <i>Drug Metabolism and Disposition</i> , 2008, 36, 885-893.	3.3	43
4	Effect of breed and gender on bovine liver cytochrome P450 3A (CYP3A) expression and inter-species comparison with other domestic ruminants. <i>Veterinary Research</i> , 2005, 36, 179-190.	3.0	40
5	Effects of dexamethasone, administered for growth promoting purposes, upon the hepatic cytochrome P450 3A expression in the veal calf. <i>Biochemical Pharmacology</i> , 2009, 77, 451-463.	4.4	38
6	Separation and quantification of water buffalo milk protein fractions and genetic variants by RP-HPLC. <i>Food Chemistry</i> , 2013, 136, 364-367.	8.2	37
7	Curcumin Mitigates AFB1-Induced Hepatic Toxicity by Triggering Cattle Antioxidant and Anti-inflammatory Pathways: A Whole Transcriptomic In Vitro Study. <i>Antioxidants</i> , 2020, 9, 1059.	5.1	37
8	c-KIT messenger RNA and protein expression and mutations in canine cutaneous mast cell tumors. <i>Journal of Veterinary Diagnostic Investigation</i> , 2012, 24, 116-126.	1.1	36
9	Screening of candidate G-quadruplex ligands for the human c-KIT promoter region and their effects in multiple in-vitro models. <i>Oncotarget</i> , 2016, 7, 21658-21675.	1.8	35
10	Effects of Illicit Dexamethasone upon Hepatic Drug Metabolizing Enzymes and Related Transcription Factors mRNAs and Their Potential Use As Biomarkers in Cattle. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 1342-1349.	5.2	34
11	Minimal residual disease detection by flow cytometry and PARR in lymph node, peripheral blood and bone marrow, following treatment of dogs with diffuse large B-cell lymphoma. <i>Veterinary Journal</i> , 2014, 200, 318-324.	1.7	31
12	G-Quadruplex Modulation of SP1 Functional Binding Sites at the KIT Proximal Promoter. <i>International Journal of Molecular Sciences</i> , 2021, 22, 329.	4.1	28
13	RNA Sequencing-Based Whole-Transcriptome Analysis of Friesian Cattle Fed with Grape Pomace-Supplemented Diet. <i>Animals</i> , 2018, 8, 188.	2.3	25
14	Comparative effects of cytokines on constitutive and inducible expression of the gene encoding for the cytochrome P450 3A6 isoenzyme in cultured rabbit hepatocytes: consequences on progesterone 6 β -hydroxylation. <i>Biochemical Pharmacology</i> , 1998, 56, 1279-1285.	4.4	23
15	Cytochrome P450 inhibition profile in liver of veal calves administered a combination of 17 β -estradiol, clenbuterol, and dexamethasone for growth-promoting purposes. <i>Food and Chemical Toxicology</i> , 2008, 46, 2849-2855.	3.6	23
16	Serum antioxidant enzyme activities and oxidative stress parameters as possible biomarkers of exposure in veal calves illegally treated with dexamethasone. <i>Toxicology in Vitro</i> , 2007, 21, 277-283.	2.4	22
17	Time-dependent acetylsalicylic acid effects on liver CYP1A and antioxidant enzymes in a rat model of 7,12-dimethylbenzanthracene (DMBA)-induced mammary carcinogenesis. <i>Toxicology Letters</i> , 2008, 181, 87-92.	0.8	22
18	Insights into Aflatoxin B1 Toxicity in Cattle: An In Vitro Whole-Transcriptomic Approach. <i>Toxins</i> , 2020, 12, 429.	3.4	22

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19	Global Gene Expression Analysis of Canine Cutaneous Mast Cell Tumor: Could Molecular Profiling Be Useful for Subtype Classification and Prognostication?. <i>PLoS ONE</i> , 2014, 9, e95481.	2.5	21
20	High performance liquid chromatography determination of cytochrome P450 1A and 2C activities in bovine liver microsomes. <i>Veterinary Journal</i> , 2010, 183, 81-88.	1.7	20
21	Whole-Transcriptome Profiling of Canine and Human in Vitro Models Exposed to a G-Quadruplex Binding Small Molecule. <i>Scientific Reports</i> , 2018, 8, 17107.	3.3	19
22	The role of vascular endothelial growth factor and matrix metalloproteinases in canine lymphoma: in vivo and in vitro study. <i>BMC Veterinary Research</i> , 2013, 9, 94.	1.9	18
23	Feline intestinal mast cell tumours: clinicopathological characterisation and <i>KIT</i> mutation analysis. <i>Journal of Feline Medicine and Surgery</i> , 2016, 18, 280-289.	1.6	18
24	Comparative oncology: The paradigmatic example of canine and human mast cell neoplasms. <i>Veterinary and Comparative Oncology</i> , 2019, 17, 1-10.	1.8	18
25	Canine Splenic Nodular Lymphoid Lesions: Immunophenotyping, Proliferative Activity, and Clonality Assessment. <i>Veterinary Pathology</i> , 2018, 55, 645-653.	1.7	17
26	Sequencing and G-Quadruplex Folding of the Canine Proto-Oncogene <i>KIT</i> Promoter Region: Might Dog Be Used as a Model for Human Disease?. <i>PLoS ONE</i> , 2014, 9, e103876.	2.5	17
27	Induction of hepatic drug metabolizing enzymes and interaction with carbon tetrachloride in rats after a single oral exposure to atrazine. <i>Toxicology Letters</i> , 1993, 69, 279-288.	0.8	16
28	Postnatal development of hepatic oxidative, hydrolytic and conjugative drug-metabolizing enzymes in female horses. <i>Life Sciences</i> , 2004, 74, 1605-1619.	4.3	16
29	Effects of an illicit cocktail on serum immunoglobulins, lymphocyte proliferation and cytokine gene expression in the veal calf. <i>Toxicology</i> , 2007, 242, 39-51.	4.2	16
30	Proposed Diagnostic Criteria and Classification of Canine Mast Cell Neoplasms: A Consensus Proposal. <i>Frontiers in Veterinary Science</i> , 2021, 8, 755258.	2.2	16
31	Nutrigenomic Effects of Long-Term Grape Pomace Supplementation in Dairy Cows. <i>Animals</i> , 2020, 10, 714.	2.3	15
32	Discovering the Protective Effects of Resveratrol on Aflatoxin B1-Induced Toxicity: A Whole Transcriptomic Study in a Bovine Hepatocyte Cell Line. <i>Antioxidants</i> , 2021, 10, 1225.	5.1	15
33	Steroidogenic enzyme gene expression profiles in the testis of cattle treated with illicit growth promoters. <i>Steroids</i> , 2011, 76, 508-516.	1.8	13
34	Constitutive expression of drug metabolizing enzymes and related transcription factors in cattle testis and their modulation by illicit steroids. <i>Xenobiotica</i> , 2010, 40, 670-680.	1.1	12
35	The transcriptome of muscle and liver is responding differently to a combined trenbolone acetate and estradiol implant in cattle. <i>Steroids</i> , 2016, 106, 1-8.	1.8	12
36	Longitudinal transcriptomic and genetic landscape of radiotherapy response in canine melanoma. <i>Veterinary and Comparative Oncology</i> , 2019, 17, 308-316.	1.8	12

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37	Nanomechanics of G-quadruplexes within the promoter of the <i>KIT</i> oncogene. <i>Nucleic Acids Research</i> , 2021, 49, 4564-4573.	14.5	12
38	Constitutive expression and phenobarbital modulation of drug metabolizing enzymes and related nuclear receptors in cattle liver and extra-hepatic tissues. <i>Xenobiotica</i> , 2012, 42, 1096-1109.	1.1	11
39	DNA and RNA isolation from canine oncologic formalin-fixed, paraffin-embedded tissues for downstream omic-analyses. <i>Journal of Veterinary Diagnostic Investigation</i> , 2014, 26, 117-124.	1.1	11
40	Transcriptome profiling and functional analysis of sheep fed with high zinc-supplemented diet: A nutrigenomic approach. <i>Animal Feed Science and Technology</i> , 2017, 234, 195-204.	2.2	11
41	Iodine Supplemented Diet Positively Affect Immune Response and Dairy Product Quality in Fresian Cow. <i>Animals</i> , 2019, 9, 866.	2.3	11
42	Mutational Hotspot of TET2, IDH1, IDH2, SRSF2, SF3B1, KRAS, and NRAS from Human Systemic Mastocytosis Are Not Conserved in Canine Mast Cell Tumors. <i>PLoS ONE</i> , 2015, 10, e0142450.	2.5	10
43	Triphenyltin acetate-induced cytotoxicity and CD4+ and CD8+ depletion in mouse thymocyte primary cultures. <i>Toxicology</i> , 2001, 169, 227-238.	4.2	9
44	Effects of Time Culture and Prototypical Cytochrome P450 3A (CYP3A) Inducers on CYP2B22, CYP2C, CYP3A and Nuclear Receptor (NR) mRNAs in Long-term Cryopreserved Pig Hepatocytes (CPHs). <i>Drug Metabolism and Pharmacokinetics</i> , 2012, 27, 495-505.	2.2	9
45	Primary hepatocytes as an useful bioassay to characterize metabolism and bioactivity of illicit steroids in cattle. <i>Toxicology in Vitro</i> , 2012, 26, 1224-1232.	2.4	9
46	Transcriptomic analysis of skeletal muscle from beef cattle exposed to illicit schedules containing dexamethasone: identification of new candidate biomarkers and their validation using samples from a field monitoring trial. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2015, 32, 1448-1463.	2.3	9
47	Characterization of ligand-dependent activation of bovine and pig constitutive androstane (CAR) and pregnane X receptors (PXR) with interspecies comparisons. <i>Xenobiotica</i> , 2016, 46, 200-210.	1.1	9
48	Tissue distribution and phenobarbital induction of target SLC and ABC transporters in cattle. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2013, 36, 358-369.	1.3	8
49	Molecular biomarkers of phospholipidosis in rat blood and heart after amiodarone treatment. <i>Journal of Applied Toxicology</i> , 2015, 35, 90-103.	2.8	8
50	Transcriptomic characterization of bovine primary cultured hepatocytes; a cross-comparison with a bovine liver and the Madin-Darby bovine kidney cells. <i>Research in Veterinary Science</i> , 2017, 113, 40-49.	1.9	8
51	Biochemical, ultrastructural and molecular characterization of the triphenyltin acetate (TPTA)-induced apoptosis in primary cultures of mouse thymocytes. <i>Cell Biology and Toxicology</i> , 2006, 22, 275-284.	5.3	7
52	Validation of epigenetic mechanisms regulating gene expression in canine B-cell lymphoma: An in vitro and in vivo approach. <i>PLoS ONE</i> , 2018, 13, e0208709.	2.5	6
53	Functional impact of cytochrome P450 3A (CYP3A) missense variants in cattle. <i>Scientific Reports</i> , 2019, 9, 19672.	3.3	6
54	AhR-activating pesticides increase the bovine ABCG2 efflux activity in MDCKII-bABCG2 cells. <i>PLoS ONE</i> , 2020, 15, e0237163.	2.5	6

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55	In vitro formation of metabolic-intermediate cytochrome P450 complexes in rabbit liver microsomes by tiamulin and various macrolides. <i>Veterinary Research</i> , 2003, 34, 405-411.	3.0	5
56	Induction by Phenobarbital of Phase I and II Xenobiotic-Metabolizing Enzymes in Bovine Liver: An Overall Catalytic and Immunochemical Characterization. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3564.	4.1	5
57	Targeting Canine KIT Promoter by Candidate DNA G-Quadruplex Ligands. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2018, 367, 461-472.	2.5	4
58	DNA elements for constitutive androstane receptor- and pregnane X receptor-mediated regulation of bovine CYP3A28 gene. <i>PLoS ONE</i> , 2019, 14, e0214338.	2.5	4
59	Whole-transcriptome profiling of sheep fed with a high iodine-supplemented diet. <i>Animal</i> , 2020, 14, 745-752.	3.3	4
60	Hypermethylation-Mediated Silencing of CIDEA, MAL and PCDH17 Tumour Suppressor Genes in Canine DLBCL: From Multi-Omics Analyses to Mechanistic Studies. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4021.	4.1	3
61	Midazolam oxidation in cattle liver microsomes: The role of cytochrome P450 3A. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2020, 43, 608-613.	1.3	2
62	Significance of the goby <i>Zosterisessor ophiocephalus</i> as a sentinel species for Venice Lagoon contamination: Combining biomarker responses and bioaccumulation. <i>Science of the Total Environment</i> , 2019, 660, 959-973.	8.0	1
63	Missense single nucleotide variants affecting CYP3A catalytic activity are present in Limousine cattle. <i>Italian Journal of Animal Science</i> , 2020, 19, 880-886.	1.9	1
64	Does Bentonite Cause Cytotoxic and Whole-Transcriptomic Adverse Effects in Enterocytes When Used to Reduce Aflatoxin B1 Exposure?. <i>Toxins</i> , 2022, 14, 435.	3.4	1