

Denis Bastianelli

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

2,286
citations

361413

20
h-index

233421

45
g-index

63
all docs

63
docs citations

63
times ranked

4584
citing authors

#	ARTICLE	IF	CITATIONS
1	TRY plant trait database “ enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	9.5	1,038
2	Genetic variability for feeding value of faba bean seeds (<i>Vicia faba</i>): Comparative chemical composition of isogenics involving zero-tannin and zero-vicine genes. <i>Journal of Agricultural Science</i> , 1999, 133, 185-196.	1.3	108
3	Experimental assessment of the accuracy of genomic selection in sugarcane. <i>Theoretical and Applied Genetics</i> , 2013, 126, 2575-2586.	3.6	105
4	Feeding value of pea (<i>Pisum sativum</i> , L.) 1. Chemical composition of different categories of pea. <i>Animal Science</i> , 1998, 67, 609-619.	1.3	77
5	Effects of food deprivation and particle size of ground wheat on digestibility of food components in broilers fed on a pelleted diet. <i>British Poultry Science</i> , 2005, 46, 223-230.	1.7	71
6	Heritability of Digestibilities and Divergent Selection for Digestion Ability in Growing Chicks Fed a Wheat Diet. <i>Poultry Science</i> , 2004, 83, 860-867.	3.4	68
7	Mathematical modeling of digestion and nutrient absorption in pigs.. <i>Journal of Animal Science</i> , 1996, 74, 1873.	0.5	61
8	Intra- and Interspecific Differences in Diet Quality and Composition in a Large Herbivore Community. <i>PLoS ONE</i> , 2014, 9, e84756.	2.5	55
9	Plasticity of Sorghum Stem Biomass Accumulation in Response to Water Deficit: A Multiscale Analysis from Internode Tissue to Plant Level. <i>Frontiers in Plant Science</i> , 2017, 8, 1516.	3.6	47
10	Improving the efficiency of feed utilization in poultry by selection. 2. Genetic parameters of excretion traits and correlations with anatomy of the gastro-intestinal tract and digestive efficiency. <i>BMC Genetics</i> , 2011, 12, 71.	2.7	44
11	Improving the efficiency of feed utilization in poultry by selection. 1. Genetic parameters of anatomy of the gastro-intestinal tract and digestive efficiency. <i>BMC Genetics</i> , 2011, 12, 59.	2.7	38
12	Modelling the mechanisms of pig growth. <i>Livestock Science</i> , 1997, 51, 97-107.	1.2	25
13	Genetic parameters of product quality and hepatic metabolism in fattened mule ducks1. <i>Journal of Animal Science</i> , 2011, 89, 669-679.	0.5	25
14	Sorghum Biomethane Potential Varies with the Genotype and the Cultivation Site. <i>Waste and Biomass Valorization</i> , 2019, 10, 783-788.	3.4	25
15	Exploring the variability of a photoperiod-insensitive sorghum genetic panel for stem composition and related traits in temperate environments. <i>Field Crops Research</i> , 2014, 166, 72-81.	5.1	24
16	Predicting feed digestibility from NIRS analysis of pig faeces. <i>Animal</i> , 2015, 9, 781-786.	3.3	24
17	Sequential feeding using whole wheat and a separate protein-mineral concentrate improved feed efficiency in laying hens. <i>Poultry Science</i> , 2010, 89, 785-796.	3.4	23
18	Prediction of the Chemical Composition of Poultry Excreta by near Infrared Spectroscopy. <i>Journal of Near Infrared Spectroscopy</i> , 2010, 18, 69-77.	1.5	22

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19	Pericarp thickness of sorghum whole grain is accurately predicted by NIRS and can affect the prediction of other grain quality parameters. <i>Journal of Cereal Science</i> , 2016, 69, 218-227.	3.7	22
20	Wheat value: improvements by feed technology, plant breeding and animal genetics. <i>World's Poultry Science Journal</i> , 2007, 63, 585-596.	3.0	20
21	The potential of near infrared spectroscopy (NIRS) to measure the chemical composition of aquaculture solid waste. <i>Aquaculture</i> , 2017, 476, 134-140.	3.5	20
22	Feeding value of pea (<i>Pisum sativum</i> , L.) 2. Nutritional value in the pig. <i>Animal Science</i> , 1998, 67, 621-625.	1.3	19
23	Feeding value of three categories of pea (<i>Pisum sativum</i> , L.) for poultry. <i>Animal Science</i> , 1999, 69, 591-599.	1.3	19
24	Prediction by near Infrared Spectroscopy of the Composition of Plant Raw Materials from the Organic Fertiliser Industry and of Crop Residues from Tropical Agrosystems. <i>Journal of Near Infrared Spectroscopy</i> , 2005, 13, 187-199.	1.5	19
25	Influence of management regime and harvest date on the forage quality of rangelands plants: the importance of dry matter content. <i>AoB PLANTS</i> , 2016, 8, .	2.3	19
26	Is sequential feeding a suitable technique to compensate for the negative effects of a tropical climate in finishing broilers?. <i>Animal Research</i> , 2006, 55, 71-76.	0.6	17
27	Reducing the environmental impact of poultry breeding by genetic selection1. <i>Journal of Animal Science</i> , 2013, 91, 613-622.	0.5	17
28	Transcriptional Regulation of Sorghum Stem Composition: Key Players Identified Through Co-expression Gene Network and Comparative Genomics Analyses. <i>Frontiers in Plant Science</i> , 2020, 11, 224.	3.6	17
29	Detection of QTL controlling digestive efficiency and anatomy of the digestive tract in chicken fed a wheat-based diet. <i>Genetics Selection Evolution</i> , 2014, 46, 25.	3.0	16
30	Genotypic covariations of traits underlying sorghum stem biomass production and quality and their regulations by water availability: Insight from studies at organ and tissue levels. <i>GCB Bioenergy</i> , 2019, 11, 444-462.	5.6	15
31	Early lysine deficiency in young broiler chicks. <i>Animal</i> , 2007, 1, 587-594.	3.3	14
32	Rapid Prediction of the Lignocellulosic Compounds of Sugarcane Biomass by near Infrared Reflectance Spectroscopy: Comparing Classical and Independent Cross-Validation. <i>Journal of Near Infrared Spectroscopy</i> , 2012, 20, 371-385.	1.5	14
33	Inclusion of sorghum, millet and cottonseed meal in broiler diets: a meta-analysis of effects on performance. <i>Animal</i> , 2015, 9, 1120-1130.	3.3	14
34	Genetic variability of metabolic characteristics in chickens selected for their ability to digest wheat1. <i>Journal of Animal Science</i> , 2013, 91, 2605-2615.	0.5	13
35	Processing and properties of sorghum stem fragment-polyethylene composites. <i>Industrial Crops and Products</i> , 2017, 107, 386-398.	5.2	13
36	Bedouin Adaptation to the Last 15-Years of Drought (1995â€“2010) in the North Coastal Zone of Egypt: Continuity or Rupture?. <i>World Development</i> , 2014, 62, 125-137.	4.9	12

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37	Detection of QTL controlling metabolism, meat quality, and liver quality traits of the overfed interspecific hybrid mule duck. <i>Journal of Animal Science</i> , 2013, 91, 588-604.	0.5	11
38	Experience with a variety of feed colours reduces feed neophobia in the turkey. <i>Applied Animal Behaviour Science</i> , 2011, 135, 78-85.	1.9	10
39	Dataset of visible-near infrared handheld and micro-spectrometers – comparison of the prediction accuracy of sugarcane properties. <i>Data in Brief</i> , 2020, 31, 106013.	1.0	10
40	Functional Classification of Feed Items in Pampa Grassland, Based on Their Near-Infrared Spectrum. <i>Rangeland Ecology and Management</i> , 2020, 73, 358-367.	2.3	10
41	A method for estimating dry forage intake by sheep using polyethylene glycol as a faecal marker measured with NIRS. <i>Animal</i> , 2013, 7, 1280-1288.	3.3	8
42	Selecting the quality of mule duck fatty liver based on near-infrared spectroscopy. <i>Genetics Selection Evolution</i> , 2014, 46, 38.	3.0	8
43	Simultaneous inclusion of sorghum and cottonseed meal or millet in broiler diets: effects on performance and nutrient digestibility. <i>Animal</i> , 2016, 10, 1118-1128.	3.3	8
44	Feeding flocks on rangelands: insights into the local ecological knowledge of shepherds in Boulemane province (Morocco). <i>Rangeland Journal</i> , 2018, 40, 207.	0.9	7
45	Kinetics of malonaldehyde content in enriched chicken meat during isothermal cooking. <i>European Journal of Lipid Science and Technology</i> , 2014, 116, 153-159.	1.5	6
46	La spectrométrie dans le proche infrarouge pour la caractérisation des ressources alimentaires. <i>INRA Productions Animales</i> , 2019, 31, 237-254.	0.5	5
47	Polyethylene glycol compared with ytterbium oxide as a total faecal output marker to predict organic matter intake of dairy ewes fed indoors or at pasture. <i>Animal</i> , 2014, 8, 1420-1426.	3.3	4
48	Mobilizing sorghum genetic diversity: Biochemical and histological-assisted design of a stem ideotype for biomethane production. <i>GCB Bioenergy</i> , 2021, 13, 1874-1893.	5.6	3
49	Phenolic and tannin compounds in subtropical shrubs (<i>Bituminaria bituminosa</i> , <i>Chamaecytisus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock and Production, 2019, 51, 1757-1761.	1.4	2
50	Dataset of organic sample near infrared spectra acquired on different spectrometers. <i>Data in Brief</i> , 2020, 32, 106264.	1.0	2
51	Evaluation du niveau de stress thermique par mesure de la température corporelle et du niveau de hyperventilation chez le poulet de chair dans des conditions de production au Venezuela. <i>Revue D'Elevage Et De Medecine Veterinaire Des Pays Tropicaux</i> , 2006, 59, 81.	0.5	2
52	Aliments protéiques dans les systèmes mixtes intensifs polyculture-élevage en régions tropicales. <i>INRA Productions Animales</i> , 2019, 31, 221-236.	0.5	2
53	Polyethylene glycol marker measured with NIRS gives a reliable estimate of the rangeland intake of grazing sheep. <i>Animal</i> , 2016, 10, 771-778.	3.3	1
54	Quelle place pour la paille de riz dans l'alimentation de saison sèche des zébus en zone irriguée au Sahel ? Cas du delta du fleuve Sénégal. <i>Revue D'Elevage Et De Medecine Veterinaire Des Pays Tropicaux</i> , 2005, 58, 51.	0.5	1

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55	Sûcurisation des flux d'approvisionnement en matires premires et de mise en march des produits dans le secteur avicole : cas de la filire ufs au Bnin. Revue D'Elevage Et De Medecine Veterinaire Des Pays Tropicaux, 2015, 68, 3.	0.5	1
56	Productividad y calidad nutricional de genotipos de sorgo para doble propsito.. Agronomy Mesoamerican, 2013, 24, 119.	0.2	0
57	Editorial - Qualit des produits animaux de l'Indianocanie : des recherches pour la valorisation des produits et la protection des consommateurs. Revue D'Elevage Et De Medecine Veterinaire Des Pays Tropicaux, 2015, 67, 95.	0.5	0
58	Evaluation de la qualit des produits du canard gras. Revue D'Elevage Et De Medecine Veterinaire Des Pays Tropicaux, 2015, 67, 135.	0.5	0
59	Editorial (in English). Revue D'Elevage Et De Medecine Veterinaire Des Pays Tropicaux, 2015, 67, 97.	0.5	0
60	Calibration of total nitrogen content in seaweeds (Ulva sp.) by NIRS. , 0, , .		0
61	Editorial - L'levage porcin dans les pays tropicaux. Revue D'Elevage Et De Medecine Veterinaire Des Pays Tropicaux, 2018, 71, 3.	0.5	0