

Basim Refat

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

164
citations

1307594

7
h-index

1199594

12
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19
times ranked

149
citing authors

#	ARTICLE	IF	CITATIONS
1	Utilization of exogenous fibrolytic enzymes in fiber fermentation, degradation, and digestions and characteristics of whole legume faba bean and its plant silage. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 6114-6125.	10.3	0
2	Effects of Exogenous Fibrolytic Enzyme Derived from <i>Trichoderma reesei</i> on Rumen Degradation Characteristics and Degradability of Low-Tannin Whole Plant Faba Bean Silage in Dairy Cows. <i>Dairy</i> , 2022, 3, 303-313.	2.0	10
3	Effects of feeding blend-pelleted co-products on nutrient intake, digestibility, and production performance of high producing dairy cows. <i>Canadian Journal of Animal Science</i> , 2021, 101, 234-241.	1.5	2
4	Connection of inherent structure with nutrient profiles and bioavailability of different co-products and by-products after processing using advanced grading and vibrational molecular spectroscopy. <i>Critical Reviews in Food Science and Nutrition</i> , 2019, 59, 2796-2806.	10.3	3
5	Interactive association between processing induced molecular structure changes and nutrient delivery on a molecular basis, revealed by cutting-edge vibrational biomolecular spectroscopy. <i>Journal of Animal Science and Biotechnology</i> , 2019, 10, 85.	5.3	3
6	Genotypic impact on molecular structural, physicochemical, and nutritional characteristics of warm-season adapted sorghum kernels grown under warm climate conditions. <i>Journal of Cereal Science</i> , 2019, 87, 334-339.	3.7	0
7	Detect molecular spectral features of newly developed <i>Vicia faba</i> varieties and protein metabolic characteristics in ruminant system using advanced synchrotron radiation based infrared microspectroscopy: A preliminary study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 206, 413-420.	3.9	7
8	Protein molecular structural, physicochemical and nutritional characteristics of warm-season adapted genotypes of sorghum grain: Impact of heat-related processing. <i>Journal of Cereal Science</i> , 2019, 85, 182-191.	3.7	4
9	Effects of heat processing methods on protein subfractions and protein degradation kinetics in dairy cattle in relation to protein molecular structure of barley grain using advanced molecular spectroscopy. <i>Journal of Cereal Science</i> , 2018, 80, 212-220.	3.7	22
10	Relationship of carbohydrates and lignin molecular structure spectral profiles to nutrient profile in newly developed oats cultivars and barley grain. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 188, 495-506.	3.9	16
11	Metabolic characteristics and feed milk value of blend pelleted products based on combination of co-products from bio-fuel/bio-oil processing, pulse screenings and lignosulfonate in dairy cattle. <i>Animal Feed Science and Technology</i> , 2018, 246, 62-71.	2.2	5
12	Evaluation of whole flaxseed and the use of tannin-containing fava beans as an alternative to peas in a co-extruded flaxseed product on ruminal fermentation, selected milk fatty acids, and production in dairy cows. <i>The Professional Animal Scientist</i> , 2018, 34, 435-446.	0.7	3
13	Effect of fibrolytic enzymes on lactational performance, feeding behavior, and digestibility in high-producing dairy cows fed a barley silage-based diet. <i>Journal of Dairy Science</i> , 2018, 101, 7971-7979.	3.4	34
14	Comparison of barley silages with varying digestible fiber content to corn silage on rumen fermentation characteristics and microbial protein synthesis using RUSITEC. <i>Canadian Journal of Animal Science</i> , 2017, , .	1.5	2
15	Physiochemical Characteristics and Molecular Structures for Digestible Carbohydrates of Silages. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 8979-8991.	5.2	16
16	Effect of sainfoin hay and pomegranate peel extracts on in vitro fermentation and protein degradation using the RUSITEC technique. <i>Canadian Journal of Animal Science</i> , 2015, 95, 417-423.	1.5	8
17	In vitro ruminal fermentation of ground and dry-rolled barley grain differing in starch content. <i>Animal Feed Science and Technology</i> , 2015, 203, 88-94.	2.2	12
18	Effects of bulk density, precision processing and processing index on in vitro ruminal fermentation of dry-rolled barley grain. <i>Animal Feed Science and Technology</i> , 2014, 195, 28-37.	2.2	15

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19	Evaluation of Barley Silage with Varying Ruminant In Vitro Fiber Digestibility on Lactation Performance and Chewing Activity of Lactating Dairy Cows in Comparison with Corn Silage. Canadian Journal of Animal Science, 0, , .	1.5	2