

Xuwei Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

170
citations

1478505

6
h-index

1125743

13
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15
all docs

15
docs citations

15
times ranked

79
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of maize straw treated with various levels of CaO and moisture on composition, structure, and digestion by in vitro gas production. <i>Animal Bioscience</i> , 2021, 34, 1940-1950.	2.0	1
2	Application of advanced molecular spectroscopy and modern evaluation techniques in canola molecular structure and nutrition property research. <i>Critical Reviews in Food Science and Nutrition</i> , 2020, 61, 1-11.	10.3	6
3	Effect of Harvest Time and Microbial Anaerobic Fermentation at Ruminal Degradability, In Vitro Digestibility to Milk Production and Milk Quality for Whole Plant Zhang Hybrid Millet in Dairy Cows. <i>Animals</i> , 2019, 9, 749.	2.3	1
4	Protein molecular structure, degradation and availability of canola, rapeseed and soybean meals in dairy cattle diets. <i>Asian-Australasian Journal of Animal Sciences</i> , 2019, 32, 1381-1388.	2.4	6
5	Bio-functions and molecular carbohydrate structure association study in forage with different source origins revealed using non-destructive vibrational molecular spectroscopy techniques. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 183, 260-266.	3.9	3
6	Association of protein structure, protein and carbohydrate subfractions with bioenergy profiles and biodegradation functions in modeled forage. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 157, 265-270.	3.9	2
7	Effects of canola meal pellet conditioning temperature and time on ruminal and intestinal digestion, hourly effective degradation ratio, and potential nitrogen to energy synchronization in dairy cows. <i>Journal of Dairy Science</i> , 2015, 98, 8836-8845.	3.4	22
8	Molecular spectroscopic investigation on fractionation-induced changes on biomacromolecule of co-products from bioethanol processing to explore protein metabolism in ruminants. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 122, 591-597.	3.9	6
9	New Approaches and Recent Advances on Characterization of Chemical Functional Groups and Structures, Physiochemical Property, and Nutritional Values in Feedstocks and By-Products: Advanced Spectroanalytical and Modeling Investigations. <i>Applied Spectroscopy Reviews</i> , 2014, 49, 585-602.	6.7	6
10	Correlating Molecular Spectroscopy and Molecular Chemometrics to Explore Carbohydrate Functional Groups and Utilization of Coproducts from Biofuel and Biobrewing Processing. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 5108-5117.	5.2	11
11	Impact of ethanol bioprocessing on association of protein structures at a molecular level to protein nutrient utilization and availability of different co-products from cereal grains as energy feedstocks. <i>Biomass and Bioenergy</i> , 2014, 69, 47-57.	5.7	6
12	Use of a Dry Fractionation Process To Manipulate the Chemical Profile and Nutrient Supply of a Coproduct from Bioethanol Processing. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 6846-6854.	5.2	12
13	Differentiation of mixtures of co-product blend with barley grain based on Fourier transform infrared attenuated total reflection molecular spectroscopy: Carbohydrate molecular spectral profiles and nutritive characteristics in dairy cattle. <i>Journal of Dairy Science</i> , 2012, 95, 6624-6634.	3.4	19
14	Relationship of carbohydrate molecular spectroscopic features in combined feeds to carbohydrate utilization and availability in ruminants. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 92, 225-233.	3.9	32
15	Using ATR-FT/IR molecular spectroscopy to detect effects of blend DDGS inclusion level on the molecular structure spectral and metabolic characteristics of the proteins in hullless barley. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 95, 53-63.	3.9	37