Xuewei Zhang

List of Publications by Year
in descending order

15	170	1478505 6	1125743 13
papers	citations	h-index	g-index

15	15	15	79
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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 hulless barley. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 95, 53-63.	3.9	37
2	Relationship of carbohydrate molecular spectroscopic features in combined feeds to carbohydrate utilization and availability in ruminants. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 92, 225-233.	3.9	32
3	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. Journal of Dairy Science, 2015, 98, 8836-8845.	3.4	22
4	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. Journal of Dairy Science, 2012, 95, 6624-6634.	3.4	19
5	Use of a Dry Fractionation Process To Manipulate the Chemical Profile and Nutrient Supply of a Coproduct from Bioethanol Processing. Journal of Agricultural and Food Chemistry, 2012, 60, 6846-6854.	5.2	12
6	Correlating Molecular Spectroscopy and Molecular Chemometrics to Explore Carbohydrate Functional Groups and Utilization of Coproducts from Biofuel and Biobrewing Processing. Journal of Agricultural and Food Chemistry, 2014, 62, 5108-5117.	5.2	11
7	Molecular spectroscopic investigation on fractionation-induced changes on biomacromolecule of co-products from bioethanol processing to explore protein metabolism in ruminants. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 122, 591-597.	3.9	6
8	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. Applied Spectroscopy Reviews, 2014, 49, 585-602.	6.7	6
9	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. Biomass and Bioenergy, 2014, 69, 47-57.	5.7	6
10	Application of advanced molecular spectroscopy and modern evaluation techniques in canola molecular structure and nutrition property research. Critical Reviews in Food Science and Nutrition, 2020, 61, 1-11.	10.3	6
11	Protein molecular structure, degradation and availability of canola, rapeseed and soybean meals in dairy cattle diets. Asian-Australasian Journal of Animal Sciences, 2019, 32, 1381-1388.	2.4	6
12	Bio-functions and molecular carbohydrate structure association study in forage with different source origins revealed using non-destructive vibrational molecular spectroscopy techniques. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 183, 260-266.	3.9	3
13	Association of protein structure, protein and carbohydrate subfractions with bioenergy profiles and biodegradation functions in modeled forage. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 157, 265-270.	3.9	2
14	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. Animals, 2019, 9, 749.	2.3	1
15	Effects of maize straw treated with various levels of CaO and moisture on composition, structure, and digestion by in vitro gas production. Animal Bioscience, 2021, 34, 1940-1950.	2.0	1