

Frank Dunshea

List of Publications by Year in descending order

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Version: 2024-02-01

417
papers

13,245
citations

25034
57
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53230
85
g-index

426
all docs

426
docs citations

426
times ranked

8642
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Impact of processing and storage on protein digestibility and bioavailability of legumes. Food Reviews International, 2023, 39, 4697-4724. | 8.4 | 21 |
| 2 | Bioaccessibility and Bioavailability of Phenolic Compounds in Seaweed. Food Reviews International, 2023, 39, 5729-5760. | 8.4 | 6 |
| 3 | The Quest for Phenolic Compounds from Seaweed: Nutrition, Biological Activities and Applications. Food Reviews International, 2023, 39, 5786-5813. | 8.4 | 16 |
| 4 | Meat tenderness: advances in biology, biochemistry, molecular mechanisms and new technologies. Meat Science, 2022, 185, 108657. | 5.5 | 71 |
| 5 | Meta-analysis of the relationship between collagen characteristics and meat tenderness. Meat Science, 2022, 185, 108717. | 5.5 | 26 |
| 6 | Non-invasive measure of heat stress in sheep using machine learning techniques and infrared thermography. Small Ruminant Research, 2022, 207, 106592. | 1.2 | 10 |
| 7 | Review: What have we learned about the effects of heat stress on the pig industry?. Animal, 2022, 16, 100349. | 3.3 | 20 |
| 8 | Impact of Heatwaves on the Physiology and Retail Meat Quality of Lambs. Foods, 2022, 11, 414. | 4.3 | 1 |
| 9 | Plant and Dairy-Based Yogurts: A Comparison of Consumer Sensory Acceptability Linked to Textural Analysis. Foods, 2022, 11, 463. | 4.3 | 24 |
| 10 | Bioaccessibility and movement of phenolic compounds from tomato (<i>Solanum lycopersicum</i>) during <i>in vitro</i> gastrointestinal digestion and colonic fermentation. Food and Function, 2022, 13, 4954-4966. | 4.6 | 13 |
| 11 | Extraction and characterization of polyphenols from non-conventional edible plants and their antioxidant activities. Food Research International, 2022, 157, 111205. | 6.2 | 14 |
| 12 | Digital technologies to assess yoghurt quality traits and consumers acceptability. Journal of the Science of Food and Agriculture, 2022, 102, 5642-5652. | 3.5 | 4 |
| 13 | Screening of phenolic compounds in australian grown grapes and their potential antioxidant activities. Food Bioscience, 2022, 47, 101644. | 4.4 | 20 |
| 14 | Bioaccessibility and bioactivities of phenolic compounds from roasted coffee beans during <i>in vitro</i> digestion and colonic fermentation. Food Chemistry, 2022, 386, 132794. | 8.2 | 25 |
| 15 | Bioaccessibility of phenolic compounds from sesame seeds (<i>Sesamum indicum</i> L.) during <i>in vitro</i> gastrointestinal digestion and colonic fermentation. Journal of Food Processing and Preservation, 2022, 46, . | 2.0 | 9 |
| 16 | Assessment of the bioaccessibility of phenolics from Australian grown lettuces by <i>in vitro</i> simulated gastrointestinal digestion and colonic fermentation. Food Bioscience, 2022, 48, 101754. | 4.4 | 7 |
| 17 | Understanding <i>dominance</i> : The effect of changing the definition of <i>dominance</i> when using <i>TDS</i> with consumers. Journal of Sensory Studies, 2022, 37, . | 1.6 | 5 |
| 18 | Bioaccessibility and bioavailability changes of phenolic compounds in pumpkins (<i>Cucurbita moschata</i>): A review. Food Bioscience, 2022, 47, 101753. | 4.4 | 17 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Assessment of Feed Value of Chicory and Lucerne for Poultry, Determination of Bioaccessibility of Their Polyphenols and Their Effects on Caecal Microbiota. <i>Fermentation</i> , 2022, 8, 237. | 3.0 | 3 |
| 20 | Reducing the Fermentability of Wheat with a Starch Binding Agent Reduces Some of the Negative Effects of Heat Stress in Sheep. <i>Animals</i> , 2022, 12, 1396. | 2.3 | 7 |
| 21 | The livestock farming digital transformation: implementation of new and emerging technologies using artificial intelligence. <i>Animal Health Research Reviews</i> , 2022, 23, 59-71. | 3.1 | 16 |
| 22 | Effects of Raw and Pasteurized Camel Milk on Metabolic Responses in Pigs Fed a High-Fat Diet. <i>Animals</i> , 2022, 12, 1701. | 2.3 | 2 |
| 23 | Phytochemical and Safety Evaluations of Finger Lime, Mountain Pepper, and Tamarind in Zebrafish Embryos. <i>Antioxidants</i> , 2022, 11, 1280. | 5.1 | 15 |
| 24 | Impacts of heat stress on immune responses and oxidative stress in farm animals and nutritional strategies for amelioration. <i>International Journal of Biometeorology</i> , 2021, 65, 1231-1244. | 3.0 | 71 |
| 25 | High-Throughput Screening and Characterization of Phenolic Compounds in Stone Fruits Waste by LC-ESI-QTOF-MS/MS and Their Potential Antioxidant Activities. <i>Antioxidants</i> , 2021, 10, 234. | 5.1 | 45 |
| 26 | Abattoir Factors Influencing the Incidence of Dark Cutting in Australian Grain-Fed Beef. <i>Animals</i> , 2021, 11, 474. | 2.3 | 6 |
| 27 | Acid-insoluble ash is a better indigestible marker than chromic oxide to measure apparent total tract digestibility in pigs. <i>Animal Nutrition</i> , 2021, 7, 64-71. | 5.1 | 15 |
| 28 | Dietary nano chromium picolinate can ameliorate some of the impacts of heat stress in cross-bred sheep. <i>Animal Nutrition</i> , 2021, 7, 198-205. | 5.1 | 10 |
| 29 | Phenolic Profiling of Five Different Australian Grown Apples. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2421. | 2.5 | 19 |
| 30 | Heat Stress and Goat Welfare: Adaptation and Production Considerations. <i>Animals</i> , 2021, 11, 1021. | 2.3 | 43 |
| 31 | Characterization of Phenolics in Rejected Kiwifruit and Their Antioxidant Potential. <i>Processes</i> , 2021, 9, 781. | 2.8 | 20 |
| 32 | Maternal Heat Stress Alters Expression of Genes Associated with Nutrient Transport Activity and Metabolism in Female Placentae from Mid-Gestating Pigs. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4147. | 4.1 | 14 |
| 33 | Towards Sustainable Livestock Production: Estimation of Methane Emissions and Dietary Interventions for Mitigation. <i>Sustainability</i> , 2021, 13, 6081. | 3.2 | 6 |
| 34 | LC-ESI-QTOF-MS/MS Profiling and Antioxidant Activity of Phenolics from Custard Apple Fruit and By-Products. <i>Separations</i> , 2021, 8, 62. | 2.4 | 13 |
| 35 | Mango rejects and mango waste: Characterization and quantification of phenolic compounds and their antioxidant potential. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e15618. | 2.0 | 15 |
| 36 | LC-ESI-QTOF-MS/MS Characterisation of Phenolics in Herbal Tea Infusion and Their Antioxidant Potential. <i>Fermentation</i> , 2021, 7, 73. | 3.0 | 33 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Comprehensive Profiling of Most Widely Used Spices for Their Phenolic Compounds through LC-ESI-QTOF-MS2 and Their Antioxidant Potential. Antioxidants, 2021, 10, 721. | 5.1 | 66 |
| 38 | Differences in Hedonic Responses, Facial Expressions and Self-Reported Emotions of Consumers Using Commercial Yogurts: A Cross-Cultural Study. Foods, 2021, 10, 1237. | 4.3 | 16 |
| 39 | Effect of slaughter age and post-mortem days on meat quality of longissimus and semimembranosus muscles of Boer goats. Meat Science, 2021, 175, 108466. | 5.5 | 18 |
| 40 | Identification of phenolic compounds in Australian grown dragon fruits by LC-ESI-QTOF-MS/MS and determination of their antioxidant potential. Arabian Journal of Chemistry, 2021, 14, 103151. | 4.9 | 37 |
| 41 | Increasing the Dietary Concentration of Lupinus albus L. Decreased Feed Intake and Daily Gain of Immunocastrated Male Pigs. Animals, 2021, 11, 1866. | 2.3 | 0 |
| 42 | LC-ESI/QTOF-MS Profiling of Chicory and Lucerne Polyphenols and Their Antioxidant Activities. Antioxidants, 2021, 10, 932. | 5.1 | 27 |
| 43 | Cinnamon: A Natural Feed Additive for Poultry Health and Production—A Review. Animals, 2021, 11, 2026. | 2.3 | 48 |
| 44 | Compensatory feeding during early gestation for sows with a high weight loss after a summer lactation increased piglet birth weight but reduced litter size. Journal of Animal Science, 2021, 99, . | 0.5 | 3 |
| 45 | Using imagery and computer vision as remote monitoring methods for early detection of respiratory disease in pigs. Computers and Electronics in Agriculture, 2021, 187, 106283. | 7.7 | 23 |
| 46 | Body Condition Score, Rumination, Intake, Milk Production and Milk Composition of Grazing Dairy Cows Supplemented with Rumen-Protected Lysine and Methionine. Dairy, 2021, 2, 462-468. | 2.0 | 0 |
| 47 | Screening and Characterization of Phenolic Compounds from Australian Grown Bananas and Their Antioxidant Capacity. Antioxidants, 2021, 10, 1521. | 5.1 | 41 |
| 48 | Review: Improving the nutritional, sensory and market value of meat products from sheep and cattle. Animal, 2021, 15, 100356. | 3.3 | 22 |
| 49 | Feeding a high oleic acid (C18:1) diet improves pleasing flavor attributes in pork. Food Chemistry, 2021, 357, 129770. | 8.2 | 19 |
| 50 | Reducing rumen starch fermentation of wheat with 3% NaOH does not reduce whole tract starch digestibility and increases energy utilization in wethers during heat stress. Small Ruminant Research, 2021, 204, 106523. | 1.2 | 5 |
| 51 | Impact of heat stress on the growth performance and retail meat quality of 2nd cross (Poll) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5 | 3.5 | 6 |
| 52 | Impact of COVID-19 on the Australian pork industry. Animal Frontiers, 2021, 11, 19-22. | 1.7 | 7 |
| 53 | Eco-Intensified Breeding Strategies for Improving Climate Resilience in Goats. , 2021, , 627-655. | | 1 |
| 54 | A Comparative Investigation on Phenolic Composition, Characterization and Antioxidant Potentials of Five Different Australian Grown Pear Varieties. Antioxidants, 2021, 10, 151. | 5.1 | 34 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Screening of Phenolic Compounds in Australian Grown Berries by LC-ESI-QTOF-MS/MS and Determination of Their Antioxidant Potential. <i>Antioxidants</i> , 2021, 10, 26. | 5.1 | 49 |
| 56 | Biometric Physiological Responses from Dairy Cows Measured by Visible Remote Sensing Are Good Predictors of Milk Productivity and Quality through Artificial Intelligence. <i>Sensors</i> , 2021, 21, 6844. | 3.8 | 14 |
| 57 | LC-MS/MS-QTOF Screening and Identification of Phenolic Compounds from Australian Grown Herbs and Their Antioxidant Potential. <i>Antioxidants</i> , 2021, 10, 1770. | 5.1 | 42 |
| 58 | Digital Integration and Automated Assessment of Eye-Tracking and Emotional Response Data Using the BioSensory App to Maximize Packaging Label Analysis. <i>Sensors</i> , 2021, 21, 7641. | 3.8 | 6 |
| 59 | Relationship between energy intake and growth performance and body composition in pigs selected for low backfat thickness. <i>Journal of Animal Science</i> , 2021, 99, . | 0.5 | 6 |
| 60 | Feeding Sows Lucerne, or Diets with Similar Energy and Nutritional Profiles to Lucerne, Improves the Pre-Weaning Performance of Piglets. <i>Agriculture (Switzerland)</i> , 2021, 11, 1146. | 3.1 | 1 |
| 61 | Applications of Genetic Selection in Breeding for Thermo-Tolerance in Livestock. , 2021, , 185-194. | | 0 |
| 62 | Association of Thermotolerance with Milk Production, Feed Saver, Fertility and Fat Percentage Breeding Values in Holstein Friesian Dairy Cattle. <i>Proceedings (mdpi)</i> , 2020, 36, . | 0.2 | 0 |
| 63 | Adaptive and Productive Sheep Breed for Changing Climate. <i>Proceedings (mdpi)</i> , 2020, 36, . | 0.2 | 0 |
| 64 | Impacts of Heat Stress on the Physiological and Production Responses of Lactating Dairy Cows Grazing Pastures over Hot Summer Months. <i>Proceedings (mdpi)</i> , 2020, 36, . | 0.2 | 0 |
| 65 | Dietary Betaine Improves Intestinal Barrier Function and Ameliorates the Impact of Heat Stress in Multiple Vital Organs as Measured by Evans Blue Dye in Broiler Chickens. <i>Animals</i> , 2020, 10, 38. | 2.3 | 30 |
| 66 | Effects of heat stress on animal physiology, metabolism, and meat quality: A review. <i>Meat Science</i> , 2020, 162, 108025. | 5.5 | 217 |
| 67 | LC-ESI-QTOF/MS Characterization of Phenolic Compounds from Medicinal Plants (Hops and Juniper) Tj ETQq1 1 0.784314 rgBT /Overl | 4.3 | 106 |
| 68 | Dietary Betaine Reduces the Negative Effects of Cyclic Heat Exposure on Growth Performance, Blood Gas Status and Meat Quality in Broiler Chickens. <i>Agriculture (Switzerland)</i> , 2020, 10, 176. | 3.1 | 15 |
| 69 | A Dietary Sugarcane-Derived Polyphenol Mix Reduces the Negative Effects of Cyclic Heat Exposure on Growth Performance, Blood Gas Status, and Meat Quality in Broiler Chickens. <i>Animals</i> , 2020, 10, 1158. | 2.3 | 19 |
| 70 | The Greater Proportion of Born-Light Progeny from Sows Mated in Summer Contributes to Increased Carcass Fatness Observed in Spring. <i>Animals</i> , 2020, 10, 2080. | 2.3 | 13 |
| 71 | Controlled elevated temperatures during early-mid gestation cause placental insufficiency and implications for fetal growth in pregnant pigs. <i>Scientific Reports</i> , 2020, 10, 20677. | 3.3 | 18 |
| 72 | Non-Invasive Sheep Biometrics Obtained by Computer Vision Algorithms and Machine Learning Modeling Using Integrated Visible/Infrared Thermal Cameras. <i>Sensors</i> , 2020, 20, 6334. | 3.8 | 18 |

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|----|--|-----|-----------|
| 73 | The Impact of Antioxidant Supplementation and Heat Stress on Carcass Characteristics, Muscle Nutritional Profile and Functionality of Lamb Meat. <i>Animals</i> , 2020, 10, 1286. | 2.3 | 11 |
| 74 | An Extended Photoperiod Increases Milk Yield and Decreases Ovulatory Activity in Dairy Goats. <i>Animals</i> , 2020, 10, 1879. | 2.3 | 3 |
| 75 | Betaine and Isoquinoline Alkaloids Protect against Heat Stress and Colonic Permeability in Growing Pigs. <i>Antioxidants</i> , 2020, 9, 1024. | 5.1 | 19 |
| 76 | Nano Chromium Picolinate Improves Gene Expression Associated with Insulin Signaling in Porcine Skeletal Muscle and Adipose Tissue. <i>Animals</i> , 2020, 10, 1685. | 2.3 | 3 |
| 77 | Dietary Lipids Influence Bioaccessibility of Polyphenols from Black Carrots and Affect Microbial Diversity under Simulated Gastrointestinal Digestion. <i>Antioxidants</i> , 2020, 9, 762. | 5.1 | 30 |
| 78 | Screening and Characterization of Phenolic Compounds and Their Antioxidant Capacity in Different Fruit Peels. <i>Foods</i> , 2020, 9, 1206. | 4.3 | 160 |
| 79 | Gut Microbiota-Polyphenol Interactions in Chicken: A Review. <i>Animals</i> , 2020, 10, 1391. | 2.3 | 45 |
| 80 | Comparative Assessment of Thermotolerance in Dorper and Second-Cross (Poll Dorset/Merino \times Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 2.3 | 12 |
| 81 | A Meta-Analysis of the Effectiveness of High, Medium, and Low Voltage Electrical Stimulation on the Meat Quality of Small Ruminants. <i>Foods</i> , 2020, 9, 1587. | 4.3 | 13 |
| 82 | LC-ESI-QTOF/MS characterization of bioactive compounds from black spices and their potential antioxidant activities. <i>Journal of Food Science and Technology</i> , 2020, 57, 4671-4687. | 2.8 | 34 |
| 83 | Resilience of Small Ruminants to Climate Change and Increased Environmental Temperature: A Review. <i>Animals</i> , 2020, 10, 867. | 2.3 | 86 |
| 84 | Heat Stress Impacts on Lactating Cows Grazing Australian Summer Pastures on an Automatic Robotic Dairy. <i>Animals</i> , 2020, 10, 869. | 2.3 | 49 |
| 85 | Impacts of heat stress on meat quality and strategies for amelioration: a review. <i>International Journal of Biometeorology</i> , 2020, 64, 1613-1628. | 3.0 | 47 |
| 86 | Artificial Intelligence Applied to a Robotic Dairy Farm to Model Milk Productivity and Quality based on Cow Data and Daily Environmental Parameters. <i>Sensors</i> , 2020, 20, 2975. | 3.8 | 38 |
| 87 | Remotely Sensed Imagery for Early Detection of Respiratory Disease in Pigs: A Pilot Study. <i>Animals</i> , 2020, 10, 451. | 2.3 | 26 |
| 88 | LC-ESI-QTOF-MS/MS Characterization of Seaweed Phenolics and Their Antioxidant Potential. <i>Marine Drugs</i> , 2020, 18, 331. | 4.6 | 81 |
| 89 | Evaluation of Sugarcane-Derived Polyphenols on the Pre-Weaning and Post-Weaning Growth of Gilt Progeny. <i>Animals</i> , 2020, 10, 984. | 2.3 | 6 |
| 90 | Use of lucerne hay in ruminant feeds to improve animal productivity, meat nutritional value and meat preservation under a more variable climate. <i>Meat Science</i> , 2020, 170, 108235. | 5.5 | 17 |

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|-----|--|-----|-----------|
| 91 | Effects of Context and Virtual Reality Environments on the Wine Tasting Experience, Acceptability, and Emotional Responses of Consumers. <i>Foods</i> , 2020, 9, 191. | 4.3 | 43 |
| 92 | Consumer rejection threshold, acceptability rates, physicochemical properties, and shelf-life of strawberry-flavored yogurts with reductions of sugar. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 3024-3035. | 3.5 | 18 |
| 93 | Evaluation of the n-alkane technique for estimating the individual intake of dairy cows consuming diets containing herbage and a partial mixed ration. <i>Animal Feed Science and Technology</i> , 2020, 265, 114524. | 2.2 | 5 |
| 94 | LC-ESI-QTOF/MS characterization of Australian herb and spices (garlic, ginger, and onion) and potential antioxidant activity. <i>Journal of Food Processing and Preservation</i> , 2020, 44, e14497. | 2.0 | 22 |
| 95 | The Effect of Heat Stress on Respiratory Alkalosis and Insulin Sensitivity in Cinnamon Supplemented Pigs. <i>Animals</i> , 2020, 10, 690. | 2.3 | 15 |
| 96 | Exploring Meal and Snacking Behaviour of Older Adults in Australia and China. <i>Foods</i> , 2020, 9, 426. | 4.3 | 19 |
| 97 | The Use of Biochemical Measurements to Identify Pre-Slaughter Stress in Pasture Finished Beef Cattle. <i>Animals</i> , 2019, 9, 503. | 2.3 | 18 |
| 98 | Comparison of grain-based diet supplemented with synthetic vitamin E and lucerne hay-based diet on blood oxidative stress biomarkers and lamb meat quality. <i>Small Ruminant Research</i> , 2019, 177, 146-152. | 1.2 | 6 |
| 99 | Physiological Responses to Basic Tastes for Sensory Evaluation of Chocolate Using Biometric Techniques. <i>Foods</i> , 2019, 8, 243. | 4.3 | 35 |
| 100 | Consumer Acceptability, Eye Fixation, and Physiological Responses: A Study of Novel and Familiar Chocolate Packaging Designs Using Eye-Tracking Devices. <i>Foods</i> , 2019, 8, 253. | 4.3 | 22 |
| 101 | D-Tagatose as a Sucrose Substitute and Its Effect on the Physico-Chemical Properties and Acceptability of Strawberry-Flavored Yogurt. <i>Foods</i> , 2019, 8, 256. | 4.3 | 33 |
| 102 | Dietary Inclusion of 1,3-Butanediol Increases Dam Circulating Ketones and Increases Progeny Birth Weight. <i>Animals</i> , 2019, 9, 479. | 2.3 | 4 |
| 103 | Effects of Imagery as Visual Stimuli on the Physiological and Emotional Responses. <i>J</i> , 2019, 2, 206-225. | 0.9 | 6 |
| 104 | A comparison of the anatomical and gastrointestinal functional development between gilt and sow progeny around birth and weaning1. <i>Journal of Animal Science</i> , 2019, 97, 3809-3822. | 0.5 | 10 |
| 105 | Digestive physiology of pigs 2018. <i>Animal</i> , 2019, 13, 2687-2688. | 3.3 | 0 |
| 106 | LC-ESI-QTOF/MS Characterization of Phenolic Compounds in Palm Fruits (Jelly and Fishtail Palm) and Their Potential Antioxidant Activities. <i>Antioxidants</i> , 2019, 8, 483. | 5.1 | 38 |
| 107 | Chocolate Quality Assessment Based on Chemical Fingerprinting Using Near Infra-red and Machine Learning Modeling. <i>Foods</i> , 2019, 8, 426. | 4.3 | 17 |
| 108 | Perennial Ryegrass Alkaloids Increase Respiration Rate and Decrease Plasma Prolactin in Merino Sheep under Both Thermoneutral and Mild Heat Conditions. <i>Toxins</i> , 2019, 11, 479. | 3.4 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | Growth Performance and Characterization of Meat Quality of Broiler Chickens Supplemented with Betaine and Antioxidants under Cyclic Heat Stress. <i>Antioxidants</i> , 2019, 8, 336. | 5.1 | 50 |
| 110 | The Impact of Pre-Slaughter Stress on Beef Eating Quality. <i>Animals</i> , 2019, 9, 612. | 2.3 | 17 |
| 111 | Breed and Nutrition Effects on Meat Quality and Retail Color after Lamb Pre-Slaughter Stress. <i>Meat and Muscle Biology</i> , 2019, 3, . | 1.9 | 7 |
| 112 | The Effect of Sonication on Bubble Size and Sensory Perception of Carbonated Water to Improve Quality and Consumer Acceptability. <i>Beverages</i> , 2019, 5, 58. | 2.8 | 9 |
| 113 | LC-ESI-QTOF/MS Characterisation of Phenolic Acids and Flavonoids in Polyphenol-Rich Fruits and Vegetables and Their Potential Antioxidant Activities. <i>Antioxidants</i> , 2019, 8, 405. | 5.1 | 116 |
| 114 | Mineral and Citrate Concentrations in Milk Are Affected by Seasons, Stage of Lactation and Management Practices. <i>Agriculture (Switzerland)</i> , 2019, 9, 25. | 3.1 | 15 |
| 115 | Effects of packaging design on sensory liking and willingness to purchase: A study using novel chocolate packaging. <i>Heliyon</i> , 2019, 5, e01696. | 3.2 | 28 |
| 116 | Computer vision and remote sensing to assess physiological responses of cattle to pre-slaughter stress, and its impact on beef quality: A review. <i>Meat Science</i> , 2019, 156, 11-22. | 5.5 | 26 |
| 117 | Reduced growth performance in gilt progeny is not improved by segregation from sow progeny in the grower–finisher phase. <i>Animal</i> , 2019, 13, 2232-2241. | 3.3 | 3 |
| 118 | Development of Artificial Neural Network Models to Assess Beer Acceptability Based on Sensory Properties Using a Robotic Pourer: A Comparative Model Approach to Achieve an Artificial Intelligence System. <i>Beverages</i> , 2019, 5, 33. | 2.8 | 55 |
| 119 | Chemical characterization of aromas in beer and their effect on consumers liking. <i>Food Chemistry</i> , 2019, 293, 479-485. | 8.2 | 60 |
| 120 | Effect of a polyphenol-rich plant matrix on colonic digestion and plasma antioxidant capacity in a porcine model. <i>Journal of Functional Foods</i> , 2019, 57, 211-221. | 3.4 | 10 |
| 121 | Basal diet and indigestible marker influence apparent digestibilities of nitrogen and amino acids of cottonseed meal and soybean meal in pigs. <i>Animal Nutrition</i> , 2019, 5, 234-240. | 5.1 | 6 |
| 122 | Responses to metabolic challenges in dairy cows with high or low milk yield during an extended lactation. <i>Journal of Dairy Science</i> , 2019, 102, 4590-4605. | 3.4 | 8 |
| 123 | Muscle Antioxidant Enzymes Activity and Gene Expression Are Altered by Diet-Induced Increase in Muscle Essential Fatty Acid (\pm -linolenic acid) Concentration in Sheep Used as a Model. <i>Nutrients</i> , 2019, 11, 723. | 4.1 | 15 |
| 124 | Betaine Improves Milk Yield in Grazing Dairy Cows Supplemented with Concentrates at High Temperatures. <i>Animals</i> , 2019, 9, 57. | 2.3 | 31 |
| 125 | Primiparous and Multiparous Sows Have Largely Similar Colostrum and Milk Composition Profiles Throughout Lactation. <i>Animals</i> , 2019, 9, 35. | 2.3 | 23 |
| 126 | Feeding Conjugated Linoleic Acid without a Combination of Medium-Chain Fatty Acids during Late Gestation and Lactation Improves Pre-Weaning Survival Rates of Gilt and Sow Progeny. <i>Animals</i> , 2019, 9, 62. | 2.3 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | Differences in Thermoregulatory Responses between Dorper and Second Cross Lambs to Heat Stress Challenges. <i>Proceedings (mdpi)</i> , 2019, 36, 155. | 0.2 | 1 |
| 128 | Genetic Selection for Thermotolerance in Ruminants. <i>Animals</i> , 2019, 9, 948. | 2.3 | 46 |
| 129 | Bubbles, Foam Formation, Stability and Consumer Perception of Carbonated Drinks: A Review of Current, New and Emerging Technologies for Rapid Assessment and Control. <i>Foods</i> , 2019, 8, 596. | 4.3 | 25 |
| 130 | LC-ESI-QTOF/MS Profiling of Australian Mango Peel By-Product Polyphenols and Their Potential Antioxidant Activities. <i>Processes</i> , 2019, 7, 764. | 2.8 | 61 |
| 131 | Modelling and Validation of Computer Vision Techniques to Assess Heart Rate, Eye Temperature, Ear-Base Temperature and Respiration Rate in Cattle. <i>Animals</i> , 2019, 9, 1089. | 2.3 | 47 |
| 132 | Emerging Technologies Based on Artificial Intelligence to Assess the Quality and Consumer Preference of Beverages. <i>Beverages</i> , 2019, 5, 62. | 2.8 | 51 |
| 133 | Filling the out of season gaps for lamb and hogget production: Diet and genetic influence on carcass yield, carcass composition and retail value of meat. <i>Meat Science</i> , 2019, 148, 156-163. | 5.5 | 24 |
| 134 | Evaluation of the n-alkane technique for estimating herbage dry matter intake of dairy cows offered herbage harvested at two different stages of growth in summer and autumn. <i>Animal Feed Science and Technology</i> , 2019, 247, 199-209. | 2.2 | 14 |
| 135 | Effects of L-arginine supplementation on heat stress physiology, lactation performance and subsequent reproductive performance of sows in summer. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2019, 103, 251-257. | 2.2 | 16 |
| 136 | Adaptation strategies: ruminants. <i>Animal Frontiers</i> , 2019, 9, 47-53. | 1.7 | 69 |
| 137 | Comparison of a grain-based diet supplemented with synthetic vitamin E versus a lucerne (alfalfa) hay-based diet fed to lambs in terms of carcass traits, muscle vitamin E, fatty acid content, lipid oxidation, and retail colour of meat. <i>Meat Science</i> , 2019, 148, 105-112. | 5.5 | 23 |
| 138 | Cross-cultural effects of food product familiarity on sensory acceptability and non-invasive physiological responses of consumers. <i>Food Research International</i> , 2019, 115, 439-450. | 6.2 | 87 |
| 139 | Development of emotion lexicons to describe chocolate using the Check-All-That-Apply (CATA) methodology across Asian and Western groups. <i>Food Research International</i> , 2019, 115, 526-534. | 6.2 | 37 |
| 140 | Integration of non-invasive biometrics with sensory analysis techniques to assess acceptability of beer by consumers. <i>Physiology and Behavior</i> , 2019, 200, 139-147. | 2.1 | 64 |
| 141 | Assessment of Beer Quality Based on a Robotic Pourer, Computer Vision, and Machine Learning Algorithms Using Commercial Beers. <i>Journal of Food Science</i> , 2018, 83, 1381-1388. | 3.1 | 35 |
| 142 | Validating post-slaughter interventions to produce consistently high quality pork cuts from female and immunocastrated male pigs. <i>Meat Science</i> , 2018, 142, 14-22. | 5.5 | 6 |
| 143 | Guaranteeing the quality and integrity of pork “An Australian case study. <i>Meat Science</i> , 2018, 144, 186-192. | 5.5 | 11 |
| 144 | Plasma glucose and nonesterified fatty acids response to epinephrine challenges in dairy cows during a 670-d lactation. <i>Journal of Dairy Science</i> , 2018, 101, 3501-3513. | 3.4 | 2 |

| # | ARTICLE | IF | CITATIONS |
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| 145 | Responses of dairy cows with divergent residual feed intake as calves to metabolic challenges during midlactation and the nonlactating period. <i>Journal of Dairy Science</i> , 2018, 101, 6474-6485. | 3.4 | 9 |
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