Morris Villarroel

List of Publications by Year
in descending order

94 papers	2,357 citations	185998 28 h-index	243296 44 g-index
96 all docs	96 docs citations	96 times ranked	2035 citing authors

#	Article	IF	Citations
1	Livestock transport from the perspective of the pre-slaughter logistic chain: a review. Meat Science, 2014, 98, 9-20.	2.7	110
2	The effects of slaughter weight, breed type and ageing time on beef meat quality using two different texture devices. Meat Science, 2004, 66, 925-932.	2.7	104
3	Analysis of aquaponics as an emerging technological innovation system. Journal of Cleaner Production, 2018, 180, 232-243.	4.6	98
4	DNA fingerprinting reveals a low incidence of extra-pair fertilizations in the lesser kestrel. Animal Behaviour, 1996, 51, 935-943.	0.8	97
5	Mexican consumers' perceptions and attitudes towards farm animal welfare and willingness to pay for welfare friendly meat products. Meat Science, 2017, 125, 106-113.	2.7	97
6	Strategic Points in Aquaponics. Water (Switzerland), 2017, 9, 182.	1.2	85
7	Scoring system for evaluating the stress to cattle of commercial loading and unloadind. Veterinary Record, 2004, 154, 818-821.	0.2	67
8	Effect of the pre-slaughter logistic chain on meat quality of lambs. Meat Science, 2009, 83, 604-609.	2.7	64
9	Behavioural and physiological profiles following exposure to novel environment and social mixing in lambs. Small Ruminant Research, 2012, 103, 158-163.	0.6	62
10	Critical points in the pre-slaughter logistic chain of lambs in Spain that may compromise the animal's welfare. Small Ruminant Research, 2010, 90, 174-178.	0.6	60
11	Nutrient supply of plants in aquaponic systems. Ecocycles, 2016, 2, .	0.2	60
12	Effect of the pre-slaughter logistic chain on some indicators of welfare in lambs. Livestock Science, 2010, 128, 52-59.	0.6	50
13	Survey of Aquaponics in Europe. Water (Switzerland), 2016, 8, 468.	1.2	49
14	Pre-slaughter cattle welfare indicators for use in commercial abattoirs with voluntary monitoring systems: A systematic review. Meat Science, 2018, 138, 34-48.	2.7	49
15	Copulatory behaviour and paternity in the American kestrel: the adaptive significance of frequent copulations. Animal Behaviour, 1998, 56, 289-299.	0.8	47
16	Effects of road type during transport on lamb welfare and meat quality in dry hot climates. Tropical Animal Health and Production, 2011, 43, 915-922.	0.5	47
17	Effect of transport time and ageing on aspects of beef quality. Meat Science, 2003, 65, 1335-1340.	2.7	45
18	Skin and subcutaneous mycoses in tilapia (Oreochromis niloticus) caused by Fusarium oxysporum in coinfection with Aeromonas hydrophila. Medical Mycology Case Reports, 2015, 9, 7-11.	0.7	42

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19	Consumer Attitudes Toward Animal Welfare-Friendly Products and Willingness to Pay: Exploration of Mexican Market Segments. Journal of Applied Animal Welfare Science, 2019, 22, 13-25.	0.4	41
20	Daily rhythms of locomotor activity, feeding behavior and dietary selection in Nile tilapia (Oreochromis niloticus). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2010, 156, 445-450.	0.8	40
21	On the sustainability of aquaponics. Ecocycles, 2016, 2, 26-32.	0.2	40
22	Effect of feed type and feeding frequency on macrophage functions in tilapia (Oreochromis niloticus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.6	37
23	Effect of transport time on sensorial aspects of beef meat quality. Meat Science, 2003, 63, 353-357.	2.7	36
24	Critical points in the transport of cattle to slaughter in Spain that may compromise the animals' welfare. Veterinary Record, 2001, 149, 173-176.	0.2	35
25	Attitudes of meat retailers to animal welfare in Spain. Meat Science, 2013, 95, 569-575.	2.7	33
26	Aquaponics: integrating fish feeding rates and ion waste production for strawberry hydroponics. Spanish Journal of Agricultural Research, 2011, 9, 537.	0.3	32
27	Influence of social dominance on production, welfare and the quality of meat from beef bulls. Meat Science, 2013, 94, 432-437.	2.7	31
28	Attitudes of meat consumers in Mexico and Spain about farm animal welfare: A cross-cultural study. Meat Science, 2021, 173, 108377.	2.7	31
29	Oestrus synchronisation of rabbit does at early post-partum by doeâ€“litter separation or ECG injection: Reproductive parameters and endocrine profiles. Animal Reproduction Science, 2006, 93, 218-230.	0.5	30
30	Short-term fasting and welfare prior to slaughter in rainbow trout, Oncorhynchus mykiss. Aquaculture, 2013, 400-401, 142-147.	1.7	29
31	Thermophysiological, haematological, biochemical and behavioural stress responses of sheep transported on road. Journal of Animal Physiology and Animal Nutrition, 2017, 101, 541-551.	1.0	29
32	Effect of lairage duration on rabbit welfare and meat quality. Meat Science, 2009, 82, 71-76.	2.7	28
33	Effect of lairage on lamb welfare and meat quality. Animal Production Science, 2011, 51, 952.	0.6	28
34	Effects of two transport systems on lamb welfare and meat quality. Meat Science, 2012, 92, 554-561.	2.7	28
35	Effects of transport time and season on aspects of rabbit meat quality. Meat Science, 2006, 72, 773-777.	2.7	26
36	Effect of straw on lamb welfare, production performance and meat quality during the finishing phase of fattening. Meat Science, 2012, 92, 829-836.	2.7	26

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37	Effect of Postweaning Handling Strategies on Welfare and Productive Traits in Lambs. Journal of Applied Animal Welfare Science, 2015, 18, 42-56.	0.4	26
38	Effect of feeding regime during finishing on lamb welfare, production performance and meat quality. Small Ruminant Research, 2013, 111, 147-156.	0.6	24
39	Livestock Vehicle Accidents in Spain: Causes, Consequences, and Effects on Animal Welfare. Journal of Applied Animal Welfare Science, 2011, 14, 109-123.	0.4	23
40	Use of fish farms to assess river contamination: Combining biomarker responses, active biomonitoring, and chemical analysis. Aquatic Toxicology, 2013, 140-141, 439-448.	1.9	20
41	A note on lamb's choice for different types of bedding materials. Journal of Veterinary Behavior: Clinical Applications and Research, 2013, 8, 175-179.	0.5	20
42	Daily feeding patterns and self-selection of dietary oil in Nile tilapia. Aquaculture Research, 2010, 42, 157-160.	0.9	19
43	Finishing feedlot lambs in enriched pens using feeder ramps and straw and its influence on behavior and physiological welfare indicators. Journal of Veterinary Behavior: Clinical Applications and Research, 2014, 9, 347-356.	0.5	19
44	Time derivatives in air temperature and enthalpy as non-invasive welfare indicators during long distance animal transport. Biosystems Engineering, 2011, 110, 253-260.	1.9	18
45	Effects of double transport and season on sensorial aspects of lamb's meat quality in dry climates. Tropical Animal Health and Production, 2012, 44, 21-27.	0.5	17
46	Long-distance transport of hair lambs: effect of location in pot-belly trailers on thermo-physiology, welfare and meat quality. Tropical Animal Health and Production, 2018, 50, 327-336.	0.5	17
47	Fasting up to 34 Â°C days in rainbow trout, Oncorhynchus mykiss, has little effect on flesh quality. Aquaculture, 2014, 420-421, 63-70.	1.7	15
48	Identity profiles based on social strategies, morphology, physiology, and cognitive abilities in goats. Journal of Veterinary Behavior: Clinical Applications and Research, 2013, 8, 458-465.	0.5	13
49	Determination of optimal degree days of fasting before slaughter in rainbow trout (Oncorhynchus) Tj ETQq1 1 0.784314 rgBT /Overlo	1.7	13
50	Social personality in sheep: Can social strategies predict individual differences in cognitive abilities, morphology features, and reproductive success?. Journal of Veterinary Behavior: Clinical Applications and Research, 2019, 31, 82-91.	0.5	13
51	Effect of enriched housing on welfare, production performance and meat quality in finishing lambs: The use of feeder ramps. Meat Science, 2014, 97, 42-48.	2.7	12
52	Lack of straw during finishing affects individual and social lamb behavior. Journal of Veterinary Behavior: Clinical Applications and Research, 2014, 9, 177-183.	0.5	12
53	Effect of degree-days of fasting stress on rainbow trout, Oncorhynchus mykiss. Aquaculture, 2016, 462, 109-114.	1.7	12
54	Effect of Dietary Grape Pomace and Seed on Ewe Milk and Meat Quality of Their Suckling Lambs. Journal of Food Quality, 2018, 2018, 1-8.	1.4	12

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55	Physio-metabolic response of rainbow trout during prolonged food deprivation before slaughter. Fish Physiology and Biochemistry, 2019, 45, 253-265.	0.9	12
56	Welfare of horses from Mexico and the United States of America transported for slaughter in Mexico: Fitness profiles for transport and pre-slaughter logistics. Preventive Veterinary Medicine, 2020, 180, 105033.	0.7	12
57	Enzymes as molecular automata: a stochastic model of self-oscillatory glycolytic cycles in cellular metabolism. BioSystems, 2000, 56, 121-129.	0.9	11
58	Effect of dietary type and level of fibre on rabbit carcass yield and its microbiological characteristics. Livestock Science, 2012, 145, 7-12.	0.6	11
59	Effect of ice stunning versus electronarcosis on stress response and flesh quality of rainbow trout. Aquaculture, 2021, 538, 736586.	1.7	11
60	Assessment of different organic beddings materials for fattening lamb. Small Ruminant Research, 2014, 119, 22-27.	0.6	10
61	Pig ear skin temperature and feed efficiency: Using the phase space to estimate thermoregulatory effort. Biosystems Engineering, 2018, 174, 80-88.	1.9	10
62	Using multivariate analysis of water quality in RAS with Nile tilapia (Oreochromis niloticus) to model the evolution of macronutrients. Aquacultural Engineering, 2013, 54, 22-28.	1.4	9
63	Effects of alternative bedding substrates on lamb welfare, productive performance, and meat quality during the finishing phase of fattening. Journal of Veterinary Behavior: Clinical Applications and Research, 2015, 10, 171-178.	0.5	9
64	Horse welfare at slaughter: A novel approach to analyse bruised carcasses based on severity, damage patterns and their association with pre-slaughter risk factors. Meat Science, 2021, 172, 108341.	2.7	9
65	Revisiting Cattle Temperament in Beef Cow-Calf Systems: Insights from Farmersâ€™ Perceptions about an Autochthonous Breed. Animals, 2021, 11, 82.	1.0	9
66	The effect of intermittent feeding on the pre-slaughter fasting response in rainbow trout. Aquaculture, 2015, 443, 24-30.	1.7	8
67	Long-Distance Transport of Finisher Pigs in the Iberian Peninsula: Effects of Season on Thermal and Enthalpy Conditions, Welfare Indicators and Meat pH. Animals, 2021, 11, 2410.	1.0	8
68	Occurrence of the oribatid mite Trhypochthoniellus longisetus longisetus (Acari:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td (Trhypoch	0.5	8
69	Microbial biomass as an antioxidant for tilapia feed. Aquaculture Research, 2018, 49, 2881-2890.	0.9	7
70	Transporters knowledge toward preslaughter logistic chain and occupational risks in Mexico: An integrative view with implications on sheep welfare. Journal of Veterinary Behavior: Clinical Applications and Research, 2019, 33, 114-120.	0.5	7
71	Reducing the effect of pre-slaughter fasting on the stress response of rainbow trout (Oncorhynchus) Tj ETQq1 1 0.784314 rgBT /Over	0.3	6
72	Effect ofArthrospirasupplementation onOreochromis niloticusgut microbiota and flesh quality. Aquaculture Research, 2019, 50, 1448-1458.	0.9	6

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73	The Role of Assessor Teaching in Human Culture. Biological Theory, 2019, 14, 112-121.	0.8	6
74	Fasting combined with long catch duration modifies the physioâ€metabolic response and flesh quality of rainbow trout. Aquaculture Research, 2020, 51, 1244-1255.	0.9	6
75	Preferencias de espacio y patrones de comportamiento de corderos durante el cebo en corrales enriquecidos con paja. Archivos De Zootecnia, 2015, 64, 155-160.	0.2	6
76	Oestrus synchronization of rabbit does at early post-partum by dam-litter separation or eCG injection: Effect on kit mortality and growth. Livestock Science, 2006, 103, 13-22.	0.6	5
77	Effects of an enriched housing environment on sensory aspects and fatty-acid composition of the longissimus muscle of light-weight finished lambs. Meat Science, 2014, 97, 490-496.	2.7	5
78	Rearing, bird type and pre-slaughter transport conditions I. Effect on dead on arrival. Spanish Journal of Agricultural Research, 2018, 16, e0503.	0.3	5
79	Effect of including double bunks and straw on behaviour, stress response production performance and meat quality in feedlot lambs. Small Ruminant Research, 2015, 130, 236-245.	0.6	4
80	Phase Space Analysis of Pig Ear Skin Temperature during Air and Road Transport. Applied Sciences (Switzerland), 2019, 9, 5527.	1.3	4
81	Growth performance and flesh quality of tilapia (Oreochromis niloticus) fed low concentrations of Rubrivivax gelatinosus, Saccharomyces cerevisiae and Spirulina platensis. Aquaculture International, 2020, 28, 1305-1317.	1.1	4
82	Aqu@teachâ€"The First Aquaponics Curriculum to Be Developed Specifically for University Students. Horticulturae, 2021, 7, 18.	1.2	4
83	Rearing, bird type and pre-slaughter transport conditions of broilers II. Effect on foot-pad dermatitis and carcass quality. Spanish Journal of Agricultural Research, 2018, 16, e0504.	0.3	4
84	Influence of temperament on performance and carcass quality of commercial Brahman steers in a Colombian tropical grazing system. Meat Science, 2022, 191, 108867.	2.7	4
85	Behaviour and welfare of fattening lambs supplemented with varying sizes and types of straw. Journal of Animal Physiology and Animal Nutrition, 2019, 103, 1747-1757.	1.0	3
86	Beneficial Effects of Spirulina Aqueous Extract on Vasodilator Function of Arteries from Hypertensive Rats. International Journal of Vascular Medicine, 2020, 2020, 1-9.	0.4	3
87	Effect of spirulina (Arthrospira platensis) supplementation on tilapia (Oreochromis niloticus) growth and stress responsiveness under hypoxia. Spanish Journal of Agricultural Research, 2018, 16, e0606.	0.3	3
88	Fish individuality, physiology and welfare. Physiology and Behavior, 2020, 219, 112867.	1.0	2
89	Assessor Teaching and the Evolution of Human Morality. Biological Theory, 2021, 16, 5-15.	0.8	2
90	Environmental enrichment and fish welfare. Derecho Animal, 2019, 10, 98.	0.1	2

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91	Effects of Randomly Fired Underwater Currents as an Occupational Enrichment Program in Rainbow Trout (Oncorhynchus mykiss). Water (Switzerland), 2021, 13, 3057.	1.2	2
92	Fish Welfare in Urban Aquaponics: Effects of Fertilizer for Lettuce (Lactuca sativa L.) on Some Physiological Stress Indicators in Nile Tilapia (Oreochromis niloticus L.). Water (Switzerland), 2022, 14, 935.	1.2	2
93	Short communication: Response of rainbow trout (Oncorhynchus mykiss) to mirror images. Spanish Journal of Agricultural Research, 2017, 15, e05SC02.	0.3	0
94	Indicadores de bienestar del ganado antes del sacrificio para uso en mataderos comerciales con sistemas voluntarios de monitoreo : una revisiÃ³n sistemÃ¡tica. , 2018, , .		0