Imke Traulsen

List of Publications by Year
in descending order

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55	856	516710 16	552781 26
papers	citations	h-index	g-index

55	55	55	824
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Comparative Analysis of Plant-Based Milk Alternatives Part 1: Composition, Sensory, and Nutritional Value. Sustainability, 2022, 14, 7996.	3.2	19
2	A Comparative Analysis of Plant-Based Milk Alternatives Part 2: Environmental Impacts. Sustainability, 2022, 14, 8424.	3.2	9
3	A promising approach towards precise animal weight monitoring using convolutional neural networks. Computers and Electronics in Agriculture, 2021, 183, 106056.	7.7	14
4	Effects of Different Housing Systems during Suckling and Rearing Period on Skin and Tail Lesions, Tail Losses and Performance of Growing and Finishing Pigs. Animals, 2021, 11, 2184.	2.3	2
5	Infrared Thermography of the Mammary Gland in Sows with Regard to Health and Performance. Agriculture (Switzerland), 2021, 11, 1013.	3.1	4
6	Automatic Behavior and Posture Detection of Sows in Loose Farrowing Pens Based on 2D-Video Images. Frontiers in Animal Science, 2021, 2, .	1.9	0
7	An Information-Theoretic Approach to Detect the Associations of GPS-Tracked Heifers in Pasture. Sensors, 2021, 21, 7585.	3.8	3
8	Detecting Animal Contactsâ€"A Deep Learning-Based Pig Detection and Tracking Approach for the Quantification of Social Contacts. Sensors, 2021, 21, 7512.	3.8	17
9	Panoptic Segmentation of Individual Pigs for Posture Recognition. Sensors, 2020, 20, 3710.	3.8	21
10	Investigation of Pig Activity Based on Video Data and Semi-Supervised Neural Networks. AgriEngineering, 2020, 2, 581-595.	3.2	11
11	Effects of Different Farrowing and Rearing Systems on Post-Weaning Stress in Piglets. Agriculture (Switzerland), 2020, 10, 230.	3.1	12
12	Usage of computer vision analysis for automatic detection of activity changes in sows during final gestation. Computers and Electronics in Agriculture, 2020, 169, 105177.	7.7	15
13	Tail Lesions and Losses of Docked and Undocked Pigs in Different Farrowing and Rearing Systems. Agriculture (Switzerland), 2020, 10, 130.	3.1	9
14	Body size in relation to cubicle dimensions affects lying behavior and joint lesions in dairy cows. Journal of Dairy Science, 2020, 103, 9407-9417.	3.4	9
15	Classification of Pigs with Tail Lesions from Different Farrowing and Rearing Systems during Rearing and Fattening Period. Animals, 2019, 9, 949.	2.3	6
16	Is tail biting in growing pigs reduced by a prolonged suckling period?. Applied Animal Behaviour Science, 2019, 211, 41-46.	1.9	9
17	Model-based detection of pigs in images under sub-optimal conditions. Computers and Electronics in Agriculture, 2018, 152, 59-63.	7.7	23
18	Using Acceleration Data to Automatically Detect the Onset of Farrowing in Sows. Sensors, 2018, 18, 170.	3.8	19

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19	Detecting lameness in sows from ear tag-sampled acceleration data using wavelets. Animal, 2017, 11, 2076-2083.	3.3	13
20	The effect of mixing piglets after weaning on the occurrence of tail-biting during rearing. Livestock Science, 2017, 201, 70-73.	1.6	16
21	Development of a multi-criteria evaluation system to assess growing pig welfare. Animal, 2017, 11, 466-477.	3.3	2
22	Influence of raw material on the occurrence of tail-biting in undocked pigs. Livestock Science, 2016, 191, 125-131.	1.6	34
23	Relationship between behavioural tests and agonistic interactions at different age levels in pigs. Applied Animal Behaviour Science, 2016, 177, 19-24.	1.9	10
24	Comparative life cycle assessment (LCA) of pork using different protein sources in pig feed. Archives Animal Breeding, 2016, 59, 27-36.	1.4	29
25	Providing supplementary, artificial milk for large litters during lactation: effects on performance and health of sows and piglets: a case study. Porcine Health Management, 2015, 1, 13.	2.6	17
26	23 Modellierung von Tierseuchen. , 2015, , 475-488.		0
27	Analysis of risk factors for infections with gastrointestinal nematodes, Eimeria spp. and lungworms in German organic sheep farms. Berliner Und Munchener Tierarztliche Wochenschrift, 2015, 128, 233-9.	0.7	4
28	Genetic analysis of the individual pig behaviour in backtests and human approach tests. Applied Animal Behaviour Science, 2014, 160, 38-45.	1.9	19
29	Static network analysis of a pork supply chain in Northern Germanyâ€"Characterisation of the potential spread of infectious diseases via animal movements. Preventive Veterinary Medicine, 2013, 110, 418-428.	1.9	72
30	Implementation of multivariate cumulative sum control charts in mastitis and lameness monitoring. Journal of Dairy Science, 2013, 96, 5723-5733.	3.4	21
31	The Use of a Technical Device for Testing the Sport-Functional Properties of Riding Surfaces. Journal of Equine Veterinary Science, 2013, 33, 539-546.	0.9	7
32	Principal component analysis for the early detection of mastitis and lameness in dairy cows. Journal of Dairy Research, 2013, 80, 335-343.	1.4	29
33	Mastitis detection in dairy cows: the application of support vector machines. Journal of Agricultural Science, 2013, 151, 889-897.	1.3	12
34	Group housing for lactating sows with electronically controlled crates: 1. Reproductive traits, body condition, and feed intake. Journal of Animal Science, 2013, 91, 3413-3419.	0.5	9
35	Efficient Interruption of Infection Chains by Targeted Removal of Central Holdings in an Animal Trade Network. PLoS ONE, 2013, 8, e74292.	2.5	34
36	Comparison of different control strategies for classical swine fever using emergency vaccination and rapid PCR testing by using a Monte-Carlo simulation model. Archives Animal Breeding, 2013, 56, 988-1004.	1.4	2

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37	Application of Wavelet Filtering to Analyze Acceleration-Time Curves of Horses Trotted on Different Surfaces. Journal of Equine Veterinary Science, 2012, 32, 696-703.	0.9	8
38	Detection of mastitis and lameness in dairy cows using wavelet analysis. Livestock Science, 2012, 148, 227-236.	1.6	37
39	Heritabilities of agonistic behavioural traits in pigs and their relationships within and between different age groups. Livestock Science, 2012, 149, 25-32.	1.6	16
40	Effects of Different Riding Surfaces on the Hoof- and Fetlock-acceleration of Horses. Journal of Agricultural Science, 2012, 4, .	0.2	0
41	Influence of immunisation against GnRF on agonistic and mounting behaviour, serum testosterone concentration and body weight in male pigs compared with boars and barrows. Applied Animal Behaviour Science, 2012, 138, 28-35.	1.9	10
42	Assessing airborne transmission of foot and mouth disease using fuzzy logic. Expert Systems With Applications, 2012, 39, 5071-5077.	7.6	13
43	The additional costs of segregated transport to slaughter to decrease Salmonella prevalence in porkâ€"A simulation study. Preventive Veterinary Medicine, 2012, 104, 174-178.	1.9	2
44	The use of a lesion score as an indicator for agonistic behaviour in pigs. Archives Animal Breeding, 2012, 55, 163-170.	1.4	8
45	An individual-based model for <i>Salmonella</i> transmission along the pig production chain. Archives Animal Breeding, 2012, 55, 48-63.	1.4	2
46	Consideration of different outbreak conditions in the evaluation of preventive culling and emergency vaccination to control foot and mouth disease epidemics. Research in Veterinary Science, 2011, 91, 219-224.	1.9	15
47	Application of decision-tree technique to assess herd specific risk factors for coliform mastitis in sows. Veterinary Science Development, 2011, 1, 6.	0.0	1
48	Assessing individual sow risk factors for coliform mastitis: A caseâ€"control study. Preventive Veterinary Medicine, 2011, 100, 248-251.	1.9	19
49	Comparison of virulence gene profiles of Escherichia coli isolates from sows with coliform mastitis and healthy sows. Veterinary Microbiology, 2011, 152, 361-367.	1.9	24
50	A note on using wavelet analysis for disease detection in lactating sows. Computers and Electronics in Agriculture, 2011, 77, 105-109.	7.7	16
51	Agonistic behaviour after mixing in pigs under commercial farm conditions. Applied Animal Behaviour Science, 2011, 129, 28-35.	1.9	80
52	Analysing the growth of turbot (Psetta maxima) in a commercial recirculation system with the use of three different growth models. Aquaculture International, 2011, 19, 497-511.	2.2	50
53	Temporal pattern of feeding and drinking behaviour of gestating sows. Archives Animal Breeding, 2011, 54, 490-503.	1.4	0
54	Analysis of different effects on longevity in four sheep breeds of northern Germany. Small Ruminant Research, 2010, 90, 71-74.	1.2	15

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55	Sensitivity analysis of a stochastic simulation model for foot and mouth disease. Archives Animal Breeding, 2010, 53, 529-544.	1.4	8