

# Imke Traulsen

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

856  
citations

516710

16  
h-index

552781

26  
g-index

55  
all docs

55  
docs citations

55  
times ranked

824  
citing authors

#	ARTICLE	IF	CITATIONS
1	Agonistic behaviour after mixing in pigs under commercial farm conditions. <i>Applied Animal Behaviour Science</i> , 2011, 129, 28-35.	1.9	80
2	Static network analysis of a pork supply chain in Northern Germany – Characterisation of the potential spread of infectious diseases via animal movements. <i>Preventive Veterinary Medicine</i> , 2013, 110, 418-428.	1.9	72
3	Analysing the growth of turbot ( <i>Psetta maxima</i> ) in a commercial recirculation system with the use of three different growth models. <i>Aquaculture International</i> , 2011, 19, 497-511.	2.2	50
4	Detection of mastitis and lameness in dairy cows using wavelet analysis. <i>Livestock Science</i> , 2012, 148, 227-236.	1.6	37
5	Influence of raw material on the occurrence of tail-biting in undocked pigs. <i>Livestock Science</i> , 2016, 191, 125-131.	1.6	34
6	Efficient Interruption of Infection Chains by Targeted Removal of Central Holdings in an Animal Trade Network. <i>PLoS ONE</i> , 2013, 8, e74292.	2.5	34
7	Principal component analysis for the early detection of mastitis and lameness in dairy cows. <i>Journal of Dairy Research</i> , 2013, 80, 335-343.	1.4	29
8	Comparative life cycle assessment (LCA) of pork using different protein sources in pig feed. <i>Archives Animal Breeding</i> , 2016, 59, 27-36.	1.4	29
9	Comparison of virulence gene profiles of <i>Escherichia coli</i> isolates from sows with coliform mastitis and healthy sows. <i>Veterinary Microbiology</i> , 2011, 152, 361-367.	1.9	24
10	Model-based detection of pigs in images under sub-optimal conditions. <i>Computers and Electronics in Agriculture</i> , 2018, 152, 59-63.	7.7	23
11	Implementation of multivariate cumulative sum control charts in mastitis and lameness monitoring. <i>Journal of Dairy Science</i> , 2013, 96, 5723-5733.	3.4	21
12	Panoptic Segmentation of Individual Pigs for Posture Recognition. <i>Sensors</i> , 2020, 20, 3710.	3.8	21
13	Assessing individual sow risk factors for coliform mastitis: A case – control study. <i>Preventive Veterinary Medicine</i> , 2011, 100, 248-251.	1.9	19
14	Genetic analysis of the individual pig behaviour in backtests and human approach tests. <i>Applied Animal Behaviour Science</i> , 2014, 160, 38-45.	1.9	19
15	Using Acceleration Data to Automatically Detect the Onset of Farrowing in Sows. <i>Sensors</i> , 2018, 18, 170.	3.8	19
16	A Comparative Analysis of Plant-Based Milk Alternatives Part 1: Composition, Sensory, and Nutritional Value. <i>Sustainability</i> , 2022, 14, 7996.	3.2	19
17	Providing supplementary, artificial milk for large litters during lactation: effects on performance and health of sows and piglets: a case study. <i>Porcine Health Management</i> , 2015, 1, 13.	2.6	17
18	Detecting Animal Contacts – A Deep Learning-Based Pig Detection and Tracking Approach for the Quantification of Social Contacts. <i>Sensors</i> , 2021, 21, 7512.	3.8	17

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19	A note on using wavelet analysis for disease detection in lactating sows. <i>Computers and Electronics in Agriculture</i> , 2011, 77, 105-109.	7.7	16
20	Heritabilities of agonistic behavioural traits in pigs and their relationships within and between different age groups. <i>Livestock Science</i> , 2012, 149, 25-32.	1.6	16
21	The effect of mixing piglets after weaning on the occurrence of tail-biting during rearing. <i>Livestock Science</i> , 2017, 201, 70-73.	1.6	16
22	Analysis of different effects on longevity in four sheep breeds of northern Germany. <i>Small Ruminant Research</i> , 2010, 90, 71-74.	1.2	15
23	Consideration of different outbreak conditions in the evaluation of preventive culling and emergency vaccination to control foot and mouth disease epidemics. <i>Research in Veterinary Science</i> , 2011, 91, 219-224.	1.9	15
24	Usage of computer vision analysis for automatic detection of activity changes in sows during final gestation. <i>Computers and Electronics in Agriculture</i> , 2020, 169, 105177.	7.7	15
25	A promising approach towards precise animal weight monitoring using convolutional neural networks. <i>Computers and Electronics in Agriculture</i> , 2021, 183, 106056.	7.7	14
26	Assessing airborne transmission of foot and mouth disease using fuzzy logic. <i>Expert Systems With Applications</i> , 2012, 39, 5071-5077.	7.6	13
27	Detecting lameness in sows from ear tag-sampled acceleration data using wavelets. <i>Animal</i> , 2017, 11, 2076-2083.	3.3	13
28	Mastitis detection in dairy cows: the application of support vector machines. <i>Journal of Agricultural Science</i> , 2013, 151, 889-897.	1.3	12
29	Effects of Different Farrowing and Rearing Systems on Post-Weaning Stress in Piglets. <i>Agriculture (Switzerland)</i> , 2020, 10, 230.	3.1	12
30	Investigation of Pig Activity Based on Video Data and Semi-Supervised Neural Networks. <i>AgriEngineering</i> , 2020, 2, 581-595.	3.2	11
31	Influence of immunisation against GnRF on agonistic and mounting behaviour, serum testosterone concentration and body weight in male pigs compared with boars and barrows. <i>Applied Animal Behaviour Science</i> , 2012, 138, 28-35.	1.9	10
32	Relationship between behavioural tests and agonistic interactions at different age levels in pigs. <i>Applied Animal Behaviour Science</i> , 2016, 177, 19-24.	1.9	10
33	Group housing for lactating sows with electronically controlled crates: 1. Reproductive traits, body condition, and feed intake. <i>Journal of Animal Science</i> , 2013, 91, 3413-3419.	0.5	9
34	Is tail biting in growing pigs reduced by a prolonged suckling period?. <i>Applied Animal Behaviour Science</i> , 2019, 211, 41-46.	1.9	9
35	Tail Lesions and Losses of Docked and Undocked Pigs in Different Farrowing and Rearing Systems. <i>Agriculture (Switzerland)</i> , 2020, 10, 130.	3.1	9
36	Body size in relation to cubicle dimensions affects lying behavior and joint lesions in dairy cows. <i>Journal of Dairy Science</i> , 2020, 103, 9407-9417.	3.4	9

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37	A Comparative Analysis of Plant-Based Milk Alternatives Part 2: Environmental Impacts. Sustainability, 2022, 14, 8424.	3.2	9
38	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
39	Sensitivity analysis of a stochastic simulation model for foot and mouth disease. Archives Animal Breeding, 2010, 53, 529-544.	1.4	8
40	The use of a lesion score as an indicator for agonistic behaviour in pigs. Archives Animal Breeding, 2012, 55, 163-170.	1.4	8
41	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
42	Classification of Pigs with Tail Lesions from Different Farrowing and Rearing Systems during Rearing and Fattening Period. Animals, 2019, 9, 949.	2.3	6
43	Infrared Thermography of the Mammary Gland in Sows with Regard to Health and Performance. Agriculture (Switzerland), 2021, 11, 1013.	3.1	4
44	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
45	An Information-Theoretic Approach to Detect the Associations of GPS-Tracked Heifers in Pasture. Sensors, 2021, 21, 7585.	3.8	3
46	The additional costs of segregated transport to slaughter to decrease Salmonella prevalence in pork – A simulation study. Preventive Veterinary Medicine, 2012, 104, 174-178.	1.9	2
47	Development of a multi-criteria evaluation system to assess growing pig welfare. Animal, 2017, 11, 466-477.	3.3	2
48	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
49	An individual-based model for &lt;i>Salmonella</i> transmission along the pig production chain. Archives Animal Breeding, 2012, 55, 48-63.	1.4	2
50	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
51	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
52	Effects of Different Riding Surfaces on the Hoof- and Fetlock-acceleration of Horses. Journal of Agricultural Science, 2012, 4, .	0.2	0
53	23 Modellierung von Tierseuchen. , 2015, , 475-488.		0
54	Temporal pattern of feeding and drinking behaviour of gestating sows. Archives Animal Breeding, 2011, 54, 490-503.	1.4	0

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55	Automatic Behavior and Posture Detection of Sows in Loose Farrowing Pens Based on 2D-Video Images. <i>Frontiers in Animal Science</i> , 2021, 2, .	1.9	0