Johannes Baumgartner

List of Publications by Year
in descending order

17 papers	338 citations	759233 12 h-index	888059 17 g-index
19 all docs	19 docs citations	19 times ranked	311 citing authors

#	Article	IF	Citations
1	Comparison of the automated monitoring of the sow activity in farrowing pens using video and accelerometer data. Computers and Electronics in Agriculture, 2022, 192, 106517.	7.7	12
2	Reduction of the Economic Risk by Adaptation Measures to Alleviate Heat Stress in Confined Buildings for Growing-Fattening Pigs Modelled by a Projection for Central Europe in 2030. Agronomy, 2022, 12, 248.	3.0	1
3	Economic Risk Assessment by Weather-Related Heat Stress Indices for Confined Livestock Buildings: A Case Study for Fattening Pigs in Central Europe. Agriculture (Switzerland), 2021, 11, 122.	3.1	6
4	A PCA-based frame selection method for applying CNN and LSTM to classify postural behaviour in sows. Computers and Electronics in Agriculture, 2021, 189, 106351.	7.7	13
5	Interactive Rooting Towers and Behavioural Observations as Strategies to Reduce Tail Biting on Conventional Pig Fattening Farms. Animals, 2021, 11, 3025.	2.3	1
6	Dynamics of Sows' Activity Housed in Farrowing Pens with Possibility of Temporary Crating might Indicate the Time When Sows Should be Confined in a Crate before the Onset of Farrowing. Animals, 2020, 10, 6.	2.3	15
7	Efficacy of adaptation measures to alleviate heat stress in confined livestock buildings in temperate climate zones. Biosystems Engineering, 2020, 200, 157-175.	4.3	17
8	The Effect of Climate Change-Induced Temperature Increase on Performance and Environmental Impact of Intensive Pig Production Systems. Sustainability, 2020, 12, 9442.	3.2	18
9	Accelerometer systems as tools for health and welfare assessment in cattle and pigs â€" A review. Behavioural Processes, 2020, 181, 104262.	1.1	59
10	Global warming impact on confined livestock in buildings: efficacy of adaptation measures to reduce heat stress for growing-fattening pigs. Climatic Change, 2019, 156, 567-587.	3.6	25
11	Impacts of global warming on confined livestock systems for growing-fattening pigs: simulation of heat stress for 1981 to 2017 in Central Europe. International Journal of Biometeorology, 2019, 63, 221-230.	3.0	26
12	Climate change impact on the dispersion of airborne emissions and the resulting separation distances to avoid odour annoyance. Atmospheric Environment: X, 2019, 2, 100021.	1.4	6
13	Impact of global warming on the odour and ammonia emissions of livestock buildings usedÂforÂfattening pigs. Biosystems Engineering, 2018, 175, 106-114.	4.3	31
14	Modelled performance of energy saving air treatment devices to mitigate heat stress for confined livestock buildings in Central Europe. Biosystems Engineering, 2017, 164, 85-97.	4.3	39
15	Can an automated labelling method based on accelerometer data replace a human labeller? â€" Postural profile of farrowing sows. Computers and Electronics in Agriculture, 2016, 127, 168-175.	7.7	15
16	Automatic estimation of number of piglets in a pen during farrowing, using image analysis. Biosystems Engineering, 2016, 151, 81-89.	4.3	23
17	Classification of nest-building behaviour in non-crated farrowing sows on the basis of accelerometer data. Biosystems Engineering, 2015, 140, 48-58.	4.3	31