# Johannes Baumgartner

List of Publications by Year
in descending order

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

| # | ARTICLE | IF | CITATIONS |
|---|---------|-----|-----------|
| 1 | Accelerometer systems as tools for health and welfare assessment in cattle and pigs – A review. Behavioural Processes, 2020, 181, 104262. | 1.1 | 59 |
| 2 | 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 |
| 3 | 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 |
| 4 | Impact of global warming on the odour and ammonia emissions of livestock buildings used for fattening pigs. Biosystems Engineering, 2018, 175, 106-114. | 4.3 | 31 |
| 5 | 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 |
| 6 | 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 |
| 7 | Automatic estimation of number of piglets in a pen during farrowing, using image analysis. Biosystems Engineering, 2016, 151, 81-89. | 4.3 | 23 |
| 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 | 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 |
| 10 | Can an automated labelling method based on accelerometer data replace a human labeller? – Postural profile of farrowing sows. Computers and Electronics in Agriculture, 2016, 127, 168-175. | 7.7 | 15 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | Interactive Rooting Towers and Behavioural Observations as Strategies to Reduce Tail Biting on Conventional Pig Fattening Farms. Animals, 2021, 11, 3025. | 2.3 | 1 |
| 17 | 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 |