Research outputs
Listing of Research outputs

**Automatic lameness detection in sows using the Sow Stance Information System (SowSIS), a pilot study.** / Briene, Petra; Szczodry, Olga; De Geest, Pieterjan; Van Nuffel, Annelies; Vangeyte, Jürgen; Ampe, Bart; Millet, Sam; Tuyttens, Frank; Maselyne, Jarissa.
Research output: Chapter in Book/Report/Conference proceeding › C3: Conference Abstract › Research › peer-review

**Determining valuable variables to design an early warning system for individual fattening pigs, a pilot study.** / Briene, Petra; Vandenbussche, Chari; Cool, Simon; Van De Gucht, Tim; De Geest, Pieterjan; Millet, Sam; Vangeyte, Jürgen; Maselyne, Jarissa.
AgEng 2018 proceedings. 2018.  
Research output: Chapter in Book/Report/Conference proceeding › C3: Conference Abstract › Research › peer-review

**Do small pigs stay small or can they catch up?** / Vandenbussche, Chari; Millet, Sam; Maselyne, Jarissa.
Research output: Chapter in Book/Report/Conference proceeding › C3: Conference Abstract › Research › peer-review

**Online warning systems for individual fattening pigs based on their feeding pattern.** / Maselyne, Jarissa; Van Nuffel, Annelies; Briene, Petra; Vangeyte, Jürgen; De Ketelaere, Bart; Millet, Sam; Van den Hof, Janne; Maes, Dominiek; Saeyes, Wouter.
In: Biosystems Engineering, 01.09.2017.  
Research output: Contribution to journal › A1: Web of Science-article › Research › peer-review

**Daily lying time, motion index and step frequency in dairy cows change throughout lactation.** / Maselyne, Jarissa; Pastell, Matti; Thomsen, Peter; Thorup, Vivi; Hänninen, Laura; Vangeyte, Jürgen; Van Nuffel, Annelies; Munksgaard, Lene.
Research output: Contribution to journal › A1: Web of Science-article › Research › peer-review

**Comparing three different passive RFID systems for behaviour monitoring in grow-finish pigs.** / Brown-Brandl, Tami; Maselyne, Jarissa; Adrion, Felix; Kapun, Anita; Hessel, Engel; Saeyes, Wouter; Van Nuffel, Annelies; Gallmann, Eva.
Research output: Chapter in Book/Report/Conference proceeding › C1: Articles in proceedings › Research › peer-review

**First results of a warning system for individual fattening pigs based on their feeding pattern.** / Maselyne, Jarissa; Van Nuffel, Annelies; Briene, Petra; Vangeyte, Jürgen; De Ketelaere, Bart; Millet, Sam; Van den Hof, Janne; Maes, Dominiek; Saeyes, Wouter.
Research output: Chapter in Book/Report/Conference proceeding › C1: Articles in proceedings › Research › peer-review

**IoF2020 - the Internet Of Meat: towards applications of Internet of Things in the meat supply chain.** / Maselyne, Jarissa; Mertens, Kristof; Van Nuffel, Annelies; Scholten, Huub; Athanasiadis, Ioannis; Larrañaga, Mikel; Fernández, Izaskun.
Research output: Chapter in Book/Report/Conference proceeding › C1: Articles in proceedings › Research › peer-review

**The presence of hoof lesions affects lying and standing duration around trimming.** / Maselyne, Jarissa; Munksgaard, Lene; Pastell, Matti; Thorup, Vivi; Van Nuffel, Annelies; Van Weyenberg, Stephanie; Thomsen, Peter.
33. Research output: Chapter in Book/Report/Conference proceeding › C3: Conference Abstract › Research › peer-review

**Monitoring individual chickens’ positions in a free-range area using Ultra-Wideband technology.** / Stadig, Lisanne; Ampe, Bart; Criel, Johan; Maselyne, Jarissa; Rodenburg, T Bas; Reubens, Bert; Tuyttens, Frank. Proceedings of the Xth European Symposium on Poultry Welfare. Ploufragan, 2017. p. 102-103.

34. Research output: Chapter in Book/Report/Conference proceeding › C3: Conference Abstract › Research › peer-review


35. Research output: Chapter in Book/Report/Conference proceeding › C3: Conference Abstract › Research › peer-review

**Lying time of dairy cows does not increase linearly throughout lactation.** / Maselyne, Jarissa; Pastell, Matti; Thomsen, Peter; Thorup, Vivi; Hänninen, Laura; Vangeyte, Jürgen; Van Nuffel, Annelies; Munksgaard, Lene. Proceedings of the Fourth DairyCare Conference 2016. ed. / Chris Knight. DairyCare COST Action FA1308, 2016.

36. Research output: Chapter in Book/Report/Conference proceeding › C3: Conference Abstract › Research › peer-review

**Use of an Ultra-Wideband system to monitor chickens’ positions in a free-range area.** / Stadig, Lisanne; Ampe, Bart; Criel, Johan; Maselyne, Jarissa; Rodenburg, Bas; Reubens, Bert; Tuyttens, Frank. Proceedings of the Benelux ISAE Conference 2016. Berlicum, 2016. p. 24.

37. Research output: Chapter in Book/Report/Conference proceeding › C3: Conference Abstract › Research › peer-review

**Methods to construct feeding visits from RFID registrations of growing-finishing pigs at the feed trough.** / Maselyne, Jarissa; Saeys, Wouter; Briene, Petra; Mertens, Koen; Vangeyte, Jürgen; De Ketelaere, Bart; Hessel, Engel F.; Sonck, Bart; Van Nuffel, Annelies. In: Computers and Electronics in Agriculture, Vol. 128, 10.2016, p. 9-19.

38. Research output: Contribution to journal › A1: Web of Science-article › Research › peer-review


**Applying the internet of things (IoT) for livestock tracking.** / Stadig, Lisanne; Ampe, Bart; Criel, Johan; Claeys, Laurence; Rodenburg, Bas; Reubens, Bert; Maselyne, Jarissa; Vangeyte, Jürgen; Tuyttens, Frank. Proceedings of CIGR - AgEng 2016. Aarhus : Aarhus University, 2016.

40. Research output: Chapter in Book/Report/Conference proceeding › C3: Conference Abstract › Research › peer-review

**Assessing the drinking behaviour of individual pigs using RFID registrations.** / Maselyne, Jarissa; Adriaens, Ines; Huybrechts, Tjebbe; De Ketelaere, Bart; Millet, Sam; Vangeyte, Jürgen; Van Nuffel, Annelies; Saeys, Wouter. Precision livestock farming applications: Making sense of sensors to support farm management, 1. ed. / Ilan Halachmi. Wageningen Academic Publishers, 2015. p. 209-216.

41. Research output: Chapter in Book/Report/Conference proceeding › Contribution to book/anthology › Research › peer-review

**Automatic monitoring of health and welfare through feeding behaviour: lessons learned in pigs which may also be relevant for dairy.** / Maselyne, Jarissa; Saeys, Wouter; Van Nuffel, Annelies. Proceedings of the third DairyCare conference 2015. ed. / C H Knight. DairyCare COST Action FA1308, 2015.

42. Research output: Chapter in Book/Report/Conference proceeding › C3: Conference Abstract › Research › peer-review

**Measuring the drinking behaviour of individual pigs housed in group using radio frequency identification (RFID).** / Maselyne, Jarissa; Adriaens, Ines; Huybrechts, Tjebbe; De Ketelaere, Bart; Millet, Sam; Vangeyte, Jürgen; Van Nuffel, Annelies; Saeys, Wouter.

Review: Quantifying animal feeding behaviour with a focus on pigs. / Maselyne, Jarissa; Saeys, Wouter; Van Nuffel, Annelies.
Research output: Contribution to journal › A1: Web of Science-article › Research › peer-review

Review: Quantifying animal feeding behaviour with a focus on pigs (vol 138, pg 37, 2015) : Erratum. / Maselyne, Jarissa; Saeys, Wouter; Van Nuffel, Annelies.
Research output: Contribution to journal › A2: International peer reviewed article (not A1-type) › Research

Detecting health problems of individual pigs based on their drinking behaviour. / Adriaens, Ines; Maselyne, Jarissa; Huybrechts, Tjebbe; De Ketelaere, Bart; Millet, Sam; Vangeyte, Jürgen; Van Nuffel, Annelies; Saeys, Wouter.
Research output: Chapter in Book/Report/Conference proceeding › C3: Conference Abstract › Research › peer-review

Development of an on-farm SowSIS (sow stance information system): hurdles to tackle. / Maselyne, Jarissa; Pluym, Liesbet; Vangeyte, Jürgen; Ampe, Bart; Millet, Sam; Tuytens, Frank; Mertens, Koen; Van Nuffel, Annelies.
Research output: Chapter in Book/Report/Conference proceeding › C3: Conference Abstract › Research › peer-review

How do fattening pigs spend their day? / Maselyne, Jarissa; Saeys, Wouter; De Ketelaere, Bart; Briene, Petra; Millet, Sam; Tuytens, Frank; Van Nuffel, Annelies.
Research output: Chapter in Book/Report/Conference proceeding › C3: Conference Abstract › Research › peer-review

Implementation of a sow stance information system (SowSIS) in electronic sow feeders. / Maselyne, Jarissa; Pluym, Liesbet; Vangeyte, Jürgen; Ampe, Bart; Millet, Sam; Tuytens, Frank; Mertens, Koen; Van Nuffel, Annelies.
International Conference of Agricultural Engineering - AgEng 2014 Zurich - Engineering for Improving Resource Efficiency. The European Society of Agricultural Engineers (EurAgEng), 2014.
Research output: Chapter in Book/Report/Conference proceeding › C3: Conference Abstract › Research › peer-review

Range measurements of a High Frequency Radio Frequency Identification (HF RFID) system for registering feeding patterns of growing-finishing pigs. / Maselyne, Jarissa; Van Nuffel, Annelies; De Ketelaere, Bart; Vangeyte, Jürgen; Hessel, Engel; Sonck, Bart; Saeys, Wouter.
Research output: Contribution to journal › A1: Web of Science-article › Research › peer-review

Registering feeding pigs in group-housing. / Maselyne, Jarissa; Van Nuffel, Annelies; Vangeyte, Jürgen; De Ketelaere, Bart; Hessel, Engel; Sonck, Bart; Saeys, Wouter.
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Research output: Chapter in Book/Report/Conference proceeding › C3: Conference Abstract › Research › peer-review

Validation of a High Frequency Radio Frequency Identification (HF RFID) system for registering feeding patterns of growing-finishing pigs. / Maselyne, Jarissa; Saeys, Wouter; De Ketelaere, Bart; Mertens, Kristof; Vangeyte, Jürgen; Hessel, Engel; Millet, Sam; Van Nuffel, Annelies.
Research output: Contribution to journal › A1: Web of Science-article › Research › peer-review

Control of the relative movement of hydraulically driven linear moving parts. / Maselyne, Jarissa; De Keyser, Robin.
Research output: Chapter in Book/Report/Conference proceeding › C1: Articles in proceedings › Research › peer-review
Computer vision based monitoring of performance of an RFID based eating registration system. / Gregersen, Torben; Jensen, Thomas; Andersen, Michael; Mortensen, Lars; Maselyne, Jarissa; Hessel, Engel.
Research output: Chapter in Book/Report/Conference proceeding › C1: Articles in proceedings › Research › peer-review

Consumer grade range cameras for monitoring pig feeding behaviour. / Gregersen, Torben; Jensen, Thomas; Andersen, Michael; Mortensen, Lars; Maselyne, Jarissa; Hessel, Engel; Ahrendt, Peter.
Research output: Chapter in Book/Report/Conference proceeding › C1: Articles in proceedings › Research › peer-review

A health monitoring system for growing-finishing pigs based on the individual feeding pattern using Radio Frequency Identification and Synergistic Control. / Maselyne, Jarissa; Saeys, Wouter; Van Nuffel, Annelies; De Ketelaere, Bart; Mertens, Kristof; Millet, Sam; Gregersen, Torben; Brizzi, Paolo; Hessel, Engel.
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Final report PIGWISE project : Final report PIGWISE project. / Maselyne, Jarissa; Van Nuffel, Annelies; Hessel, Engel; Gregersen, Torben; Brizzi, Paolo.
2013. (Final report PIGWISE project).
Research output: Book/Report › Report › Research

Individual pig health monitoring based on automated registration of feeding pigs and synergistic control. / Maselyne, Jarissa; Van Nuffel, Annelies; De Ketelaere, Bart; Mertens, Kristof; Sonck, Bart; Hessel, Engel; Saeys, Wouter.
Research output: Chapter in Book/Report/Conference proceeding › C1: Articles in proceedings › Research › peer-review

Range measurements of a Radio Frequency Identification System for registering growing-finishing pigs near a feed trough. / Maselyne, Jarissa; Van Nuffel, Annelies; De Ketelaere, Bart; Mertens, Kristof; Hessel, Engel; Sonck, Bart; Saeys, Wouter.
Research output: Chapter in Book/Report/Conference proceeding › C1: Articles in proceedings › Research › peer-review

The PigWise project: a novel approach in livestock farming through synergistic performances monitoring at individual level. / Scalera, Andrea; Brizzi, Paolo; Tomasi, Riccardo; Gregersen, Torben; Mertens, Kristof; Maselyne, Jarissa; Van Nuffel, Annelies; Hessel, Engel.
Research output: Chapter in Book/Report/Conference proceeding › C1: Articles in proceedings › Research › peer-review

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