Prof. Dr. Wolfgang Siegert

List of publications

Status as of 16 June, 2025

The publications are categorized by the following links and sorted by year and alphabetically by author within year. The doi numbers are linked to the articles at the homepages of the respective journals.

- Original papers published in peer-reviewed scientific journals
- Habilitation/doctoral thesis
- Contributions to scientific meetings
- Other releases

Original papers published in peer-reviewed scientific journals

2025

41) Kaewtapee C., T. Wichaiwong, W. Siegert, and R. Mosenthin. 2025. Amino acid digestibility of black soldier fly larvae reared with various substrates in caecectomised laying hens. Italian Journal of Animal Science, doi: 10.1080/1828051X.2025.2505205

40) Li C.M., D. Yau, W. Siegert, and Á. Kenéz. 2025. Effects of dietary black soldier fly larvae meal inclusion on the growth performance and intestinal health markers of silkie crossbreed chicken. Journal of Insects as Food and Feed, online available, doi 10.1163/23524588-bja10206

39) Wolfrum S., W. Siegert, I. Rubio-Cervantes, D. Feuerstein, A. Camarinha-Silva, and M. Rodehutscord. Effects of feed particle size, calcium concentration, and phytase supplementation on $InsP_6$ degradation in broiler chickens fed pelleted diets. British Poultry Science 66: 245–255, doi 10.1080/00071668.2024.2412096

2024

38) Ibrahim A., Á. Kenéz, J. Pfannstiel, I. Klaiber, M. Rodehutscord, and W. Siegert. 2024. Responses of the blood acid base balance and blood plasma metabolomics of broiler chickens after change to diets with high free amino acid levels. Poultry Science 103: 103956, doi 10.1016/j.psj.2024.103956

37) Ibrahim A., Á. Kenéz, M. Rodehutscord, and W. Siegert. 2024. The influence of substituting dietary peptide-bound with free amino acids on nitrogen metabolism and acid-base balance of broiler chickens depends on asparagine and glutamine supply. British Journal of Nutrition 131: 41–53, doi 10.1017/S0007114523001617

36) Ibrahim A., M. Rodehutscord, and W. Siegert. 2024. Investigation on adaptations of broiler chickens to high dietary free amino acid levels in nitrogen utilisation and plasma amino acid concentrations. British Poultry Science 65: 342–351, doi 10.1080/00071668.2024.2315079

35) Quinger F., J. Kern, A. Bosse, J. Seifert, M. Rodehutscord, and W. Siegert. 2024. Effects of carriers for feed oils on performance, utilization of nutrients and energy, and gut microbiota in broiler chickens. Poultry Science 103: 103803, doi 10.1016/j.psj.2024.103803

2023

34) Ahmadi H., M. Rodehutscord, and W. Siegert. 2023. Bi-objective optimization of nutrient intake and performance of broiler chickens using Gaussian process regression and genetic algorithm. Frontiers of Animal Science 4: 1042725, doi 10.3389/fanim.2023.1042725

33) Böswald L.F., J. Wenderlein, W. Siegert, R.K. Straubinger, and E. Kienzle. 2023. True mineral digestibility in C57BL6/J mice. Plos One 18: e0290145, doi 10.1371/journal.pone.0290145

32) Kaewtapee C., W. Siegert, C. Bunchasak, and S. Chungopast. 2023. Amino acid digestibility of insect meals and effects on key bacterial groups in excreta of caecectomised laying hens. Archives of Animal Nutrition 77: 261–274, doi 10.1080/1745039X.2023.2219178

31) Siegert W., S. Kuenz, W. Windisch, and M. Rodehutscord. 2023. Amino acid digestibility and metabolizable energy of soybean meal of different origins in cecectomized laying hens. Poultry Science 102: 102580, doi 10.1016/j.psj.2023.102580

30) Siegert W., V. Sommerfeld, and M. Rodehutscord. 2023. Research note: Influence of monocalcium phosphate and phytase in the diet on phytate degradation in cecectomized laying hens. Poultry Science 102: 102470, doi 10.1016/j.psj.2022.102470

2022

29) Siegert W., A. Ibrahim, W. Link, G. Lux, K. Schmidtke, J. Hartung, N. Nautscher, and M. Rodehutscord. 2022. Amino acid digestibility and metabolisable energy of spring and winter faba beans grown on two sites and effects of dehulling in caecectomised laying hens. Journal of the Science of Food and Agriculture 102: 920–930, doi 10.1002/jsfa.11424

28) Siegert W., T. Zuber, and M. Rodehutscord. 2022. Variability and prediction of metabolisable energy of wheat, triticale, and rye in caecectomised laying hens. European Poultry Science 84, doi 10.1399/eps.2022.354

2021

27) Krieg J., D. Borda-Molina, W. Siegert, V. Sommerfeld, Y.P. Chi, H.R. Taheri, D. Feuerstein, A. Camarinha-Silva, and M. Rodehutscord. 2021. Effects of calcium level and source, formic acid, and phytase on phytate degradation and the microbiota in the digestive tract of broiler chickens. Animal Microbiome 3: 23, doi 10.1186/s42523-021-00083-7

26) Künzel S., D. Borda-Molina, T. Zuber, J. Hartung, W. Siegert, D. Feuerstein, A. Camarinha-Silva, and M. Rodehutscord. 2021. Relative phytase efficacy values as affected by response trait including ileal microbiota composition. Poultry Science 100: 101133, doi 10.1016/j.psj.2021.101133

25) Siegert W., J. Krieg, V. Sommerfeld, D. Borda-Molina, D. Feuerstein, A. Camarinha-Silva, and M. Rodehutscord. 2021. Phytase supplementation effects on amino acid digestibility in broiler chickens are influenced by dietary calcium concentrations but not by acid-binding capacity. Current Developments in Nutrition 5: nzab103, doi 10.1093/cdn/nzab103

24) Siegert W., P. Hofmann, and M. Rodehutscord. 2021. Drying at low temperatures on composition of nitrogenous compounds and inositol phosphates in excreta of broiler chickens and caecectomised laying hens. Animal Science Journal 92: e13484, doi 10.1111/asj.13484

23) Wild K., W. Siegert, W. Windisch, K.-H. Südekum, and M. Rodehutscord. Meta-analysis-based estimates of efficiency of calcium utilisation by ruminants. Animal 15: 100315, doi 10.1016/j.animal.2021.100315

2020

22) Hofmann P., W. Siegert, H. Ahmadi, J. Krieg, M. Novotny, V.D. Naranjo, and M. Rodehutscord. 2020. Interactive effects of glycine equivalent with cysteine and choline on growth performance, characteristics of nitrogen excretion, and plasma metabolites of broiler chickens using neural networks optimized by genetic algorithms. Animals 10: 1392, doi 10.3390/ani10081392

21) Hofmann P., W. Siegert, V.D. Naranjo, and M. Rodehutscord. 2020. Effects of supplemented nonessential amino acids and non-protein nitrogen on growth and nitrogen excretion characteristics of broiler chickens fed diets with very low crude protein concentrations. Poultry Science 99: 6848–6858, doi 10.1016/j.psj.2020.09.003

20) Krieg J., W. Siegert, D. Berghaus, J. Bock, D. Feuerstein, and M. Rodehutscord. 2020. Phytase supplementation effects on amino acid digestibility depend on the protein source in the diet but are not related to $InsP_6$ degradation in broiler chickens. Poultry Science 99: 3251–3265, doi 10.1016/j.psj.2020.03.010

19) Rosenfelder-Kuon P., J. Krieg, M. Eklund, N. Sauer, H.K. Spindler, E.J.P. Strang, W. Siegert, M. Rodehutscord, H. Schenkel, and R. Mosenthin. 2020. Evaluation of different approaches for predicting precaecal crude protein and amino acid digestibility of cereal grains in growing pigs. Journal of Animal Physiology and Animal Nutrition 104: 965–976, doi 10.1111/jpn.13320

18) Rosenfelder-Kuon P., W. Siegert, and M. Rodehutscord. 2020. Effect of microbial phytase supplementation on P digestibility in pigs: a meta-analysis. Archives of Animal Nutrition 74: 1–18, doi 10.1080/1745039X.2019.1687249

17) Siegert W., and M. Rodehutscord. 2020. Precaecal crude protein and amino acid digestibility of guar meal in broiler chickens. European Poultry Science 84, doi 10.1399/eps.2020.297

2019

16) Borda-Molina D., T. Zuber, W. Siegert, A. Camarinha-Silva, D. Feuerstein, and M. Rodehutscord. 2019. Effects of protease and phytase supplements on small intestinal microbiota and amino acid digestibility in broiler chickens. Poultry Science 98: 2906–2918, doi 10.3382/ps/pez038

15) Hofmann P., W. Siegert, Á. Kenéz, V.D. Naranjo, and M. Rodehutscord. 2019. Effect of very low crude protein and varying glycine equivalent concentrations in the diet on growth performance, excreta characteristics and blood metabolome of broiler chickens. Journal of Nutrition 149: 1122–1132, doi 10.1093/jn/nxz022

14) Siegert W., and M. Rodehutscord. 2019. The relevance of glycine and serine in poultry nutrition: A review. British Poultry Science 60: 579–588, doi 10.1080/00071668.2019.1622081

13) Siegert W., C. Ganzer, H. Kluth, and M. Rodehutscord. 2019. Effect of amino acid deficiency on precaecal amino acid digestibility in broiler chickens. Journal of Animal Physiology and Animal Nutrition 103: 723–737, doi 10.1111/JPN.13066

12) Siegert W., T. Zuber, V. Sommerfeld, J. Krieg, D. Feuerstein, U. Kurrle, and M. Rodehutscord. 2019. Prececal amino acid digestibility and phytate degradation in broiler chickens when using different oilseed meals, phytase and protease supplements in the feed. Poultry Science 98: 5700–5713, doi 10.3382/ps/pez355

11) Zuber, T., W. Siegert, H. Salehi, F. Hummel, and M. Rodehutscord. 2019. Variability of amino acid digestibility of lupin and pea grains in caecectomised laying hens. British Poultry Science 60: 299–240, doi 10.1080/00071668.2018.1556389

2018

10) Siegert W., C. Ganzer, H. Kluth, and M. Rodehutscord. 2018. Effect of particle size distribution of maize and soybean meal on the precaecal amino acid digestibility of broiler chickens. British Poultry Science 59: 68–75, doi 10.1080/00071668.2017.1380295

9) Siegert W., C. Ganzer, H. Kluth, and M. Rodehutscord. 2018. Influence of feed provisioning prior to digesta sampling on the precaecal amino acid digestibility in broiler chickens. Archives of Animal Nutrition 72: 190–204, doi 10.1080/1745039X.2018.1446810

2017

8) Ganzer C., W. Siegert, H. Kluth, J. Bennewitz, and M. Rodehutscord. 2017. Prececal amino acid digestibility of soybean cake in fast- and slow-growing broiler chickens. Poultry Science 96: 2804–2810, doi 10.3382/ps/pex090

7) Rodehutscord M., O. Adeola, R. Angel, P. Bikker, E. Delezie, W.A. Dozier III, M. Umar Faruk, M. Francesch, C. Kwakernaak, A. Narcy, C.M. Nyachoti, O.A. Olukosi, A. Preynat, B. Renouf, A. Saiz del Barrio, K. Schedle, W. Siegert, S. Steenfeldt, M.M. van Krimpen, S.M. Waititu, and M. Witzig. 2017. Results of an international phosphorus digestibility ring test with broiler chickens. Poultry Science 96: 1679–1687, doi 10.3382/ps/pew426

6) Siegert W., J. Boguhn, H.P. Maurer, J. Weiss, and M. Rodehutscord. 2017. Effect of nitrogen fertilization on amino acid digestibility of different triticale genotypes in caecectomized laying hens. Journal of the Science of Food and Agriculture 97: 144–150, doi 10.1002/jsfa.7701

2016

5) Rodehutscord M., C. Rückert, H.P. Maurer, H. Schenkel, W. Schipprack, M. Schollenberger, M. Laux, M. Eklund, W. Siegert, and R. Mosenthin. 2016. Variation in chemical and physical characteristics of cereal grains from different genotypes. Archives of Animal Nutrition 70: 87–107, doi 10.1080/1745039X.2015.1133111

4) Siegert W., K.J. Wild, M. Schollenberger, A. Helmbrecht, and M. Rodehutscord. 2016. Effect of glycine supplementation in low protein diets with amino acids from soy protein isolate or free amino acids on broiler growth and nitrogen utilisation. British Poultry Science 57: 424–434, doi 10.1080/00071668.2016.1163523

3) Zuber T., H.P. Maurer, J. Möhring, N. Nautscher, W. Siegert, P. Rosenfelder, and M. Rodehutscord. 2016. Variability in amino acid digestibility of triticale grain from diverse genotypes as studied in cecectomized laying hens. Poultry Science 95: 2861–2870, doi 10.3382/ps/pew174

2015

2) Siegert W., H. Ahmadi, A. Helmbrecht, and M. Rodehutscord. 2015. A quantitative study of the interactive effects of glycine and serine with threonine and choline on growth performance in broilers. Poultry Science 94: 1557–1568, doi 10.3382/ps/pev109

1) Siegert W., H. Ahmadi, and M. Rodehutscord. 2015. Meta-analysis of the influence of dietary glycine and serine, with consideration of methionine and cysteine, on growth and feed conversion of broilers. Poultry Science 94: 1853–1863, doi 10.3382/ps/pev109

Habilitation and doctoral thesis

Siegert W. 2022. Relevance of amino acid digestibility for the protein utilization efficiency in poultry. Habilitation thesis University of Hohenheim http://opus.uni-hohenheim.de/volltexte/2022/2054/

Siegert W. 2016. Factors influencing the response of broiler chicken to glycine supplements in low crude protein diets. PhD Thesis University of Hohenheim, doi 10.13140/RG.2.2.15869.05606

Contributions to scientific meetings and conferences

Invited Talks

17) Siegert W. 2025. Invited plenary talk: Key points for low protein nutrition of broilers to obtain efficient production and gut health. 7th International Poultry Meat Congress, 16 to 20 April, Antalya, Turkey.

16) Siegert W. 2025. Herausforderungen einer zeitgemäßen Proteinversorgung beim Geflügel. 23. BOKU-Symposium Tierernährung „Zukunft der Proteinversorgung in der Tierernährung“, 27 February 2025, Vienna, Austria, 16–20

15) Siegert W., and A. Omotoso. 2024. Relevance of ‘non-essential’ amino acids in low crude protein diets for broiler chickens. In: Poultry Beyond 2030 – Seventh International Broiler Nutritionists’ Conference, 16 to 20 September 2024, Queenstown, New Zealand

14) Siegert W. 2023. Bedeutung der Aminosäurenverdaulichkeit für die Proteinnutzungseffizienz beim Geflügel. In: Zeyner A., and H. Kluth (Eds.): 16. Tagung Schweine- und Geflügelernährung, 14 to 16 November 2023, Lutherstadt Wittenberg, Germany, 10–16

13) Siegert W. 2023. Sustainability and optimal nitrogen nutrition. Invited plenary lecture at the 23rd European Symposium on Poultry Nutrition, 21–24 June 2023, Rimini, Italy

12) Siegert W. 2022. Feeding insects – a contribution to more sustainable farm animal nutrition? Hong Kong Black Soldier Fly International Virtual Conference 2022: From basic science to applications. 15 and 16 September 2022

11) Rodehutscord M, and W. Siegert. 2021. Energy sources in animal feeding. Composition and nutritive value of cereals produced in Europe. XXXVI FEDNA Symposium, 1–2 December 2021, Madrid, Spain

10) Siegert W., P. Hofmann, M. Rodehutscord. 2020. Potentiale der Rohproteinabsenkung beim Geflügel. 98. Fachgespräch über Geflügelkrankheiten der DVG Fachgruppe Geflügel und Deutsche Gruppe der WVPA, 13 November 2020, Onlinetagung, 41–47

9) Siegert W., and M. Rodehutscord. 2019. Enzyme supplements and amino acid digestibility in poultry and pigs. In: Zeyner A., and H. Kluth (Eds.): 15. Tagung Schweine- und Geflügelernährung, 19 to 21 November 2019, Lutherstadt Wittenberg, Germany, 41–49

8) Siegert W., and M. Rodehutscord. 2019. Factors on phytate degradation and phytase efficacy in broiler chickens. Invited plenary lecture at the 37th Scientific Day of the South African Branch of the World's Poultry Science Association, 30 October 2019, Pretoria, South Africa

7) Siegert W., and M. Rodehutscord. 2019. The role of glycine and serine in poultry nutrition. Invited plenary lecture at the 37th Scientific Day of the South African Branch of the World's Poultry Science Association, 30 October 2019, Pretoria, South Africa

6) Siegert W., and M. Rodehutscord. 2018. Non-essential amino acids – the forgotten nutrients? Invited plenary lecture at the 15th European Poultry Conference, 17 to 20 September 2018, Dubrovnik, Croatia, 52–62

5) Rodehutscord, M., and W. Siegert. 2018. Role of glycine and serine on poultry production and efficiency in low protein diets. Invited plenary lecture at New Zealand Poultry Industry Conference, 2 to 3 October 2018, New Plymouth, New Zealand, 18–27

4) Siegert W., M. Rodehutscord. 2017. Invited plenary lecture: Relevance of glycine and other nonessential amino acids in poultry and pigs. In: Zeyner A., H. Kluth, M. Bulang, M. Bochnia, and M. Bachmann (Eds.): 14. Tagung Schweine- und Geflügelernährung, 21 to 23 November 2017, Lutherstadt Wittenberg, Germany, 37–44

3) Rodehutscord M., and W. Siegert. 2017. Optimizing protein and amino acid nutrition for poultry. 16th BOKU-Symposium Tierernährung, 27 April 2017, Vienna, Austria, 4–8

2) Siegert W., and M. Rodehutscord. 2015. Relevance of glycine in low protein broiler feeds. Invited plenary lecture at the 20th European Symposium on Poultry Nutrition, 24 to 27 August 2015, Prague, Czech Republic, 18–26

1) Rodehutscord M., and W. Siegert. 2012. Einsatz von Aminosäuren in der Tierernährung. Invited talk at 24. Hülsenberger Gespräche: Zusatzstoffe in der Ernährung, 6 to 8 June 2012, Lübeck, Germany, 108–113

Other presentations

2025

50) Omotoso A., E. Werner, N. Hautkapp, M. Rodehutscord, and W. Siegert. 2025. Impacts of harvest weights of Tenebrio molitor on amino acid digestibility and metabolisable energy in caecectomised laying hens. Proceedings of the Society of Nutrition Physiology 34, 70

49) Preißinger W., A. Terbaum, S. Scherb, W. Siegert. 2025. Weiße Lupinen (Lupinus albus) mit hohen Gehalten an Chinolizidinalkaloiden in der Fütterung von Ferkeln – Auswirkungen auf Futteraufnahme und Leistung. 23. BOKU-Symposium Tierernährung. 27 February 2025, Vienna, Austria, 88–90

2024

39) Ahmadi H., V. Sommerfeld, W. Siegert, and M. Rodehutscord. 2024. Application of a machine learning approach to estimate optimal dietary Ca and P concentrations for egg performance in laying hens. Proceedings of the Society of Nutrition Physiology 33, 105

38) Ibrahim A., M. Rodehutscord, and W. Siegert. 2024. Adaption of broiler chickens to high dietary levels of free amino acids fed in exchange with peptide-bound amino acids. Proceedings of the Society of Nutrition Physiology 33, 66

37) Ibrahim A., M. Rodehutscord, and W. Siegert. 2024. Changes in the acid-base balance of broiler chickens after a substitution of peptide-bound with free amino acids in the diet. 16th European Poultry Conference, 24 to 28 June 2024, Valencia, Spain

36) Li C.M., D. Yau, W. Siegert, and Á. Kenéz. 2024. Effects of dietary black soldier fly larvae meal inclusion on the growth performance of silkie crossbreed chicken. Insects to Feed the World, 19 to 22 June 2024, Singapore.

35) Sassenberg D., T.M. Lange, W. Siegert. 2024. Meta-Analyse zur Bewertung und Optimierung der rechnerisch ermittelten Protein-Nutzungseffizienz bei Masthühnern. In: 62. Jahrestagung der Bayerischen Arbeitsgemeinschaft Tierernährung e.V. „Digitale Technologien und intelligente Systeme in der Fütterung landwirtschaftlicher Nutztiere“, 10 October 2024, Freising-Weihenstephan, Germany, 201–205

34) Siegert W., A. Ibrahim, M. Novotny, P. Maziarka, Y. Rudolph, A. Kruse, R. Kohlus, and M. Rodehutscord. 2024. Influence of drying temperature and sodium hydroxide addition on amino acid digestibility of an alfalfa protein extract in caecectomised laying hens. Proceedings of the Society of Nutrition Physiology 33, 44

33) Wolfrum S., W. Siegert, D. Feuerstein, and M. Rodehutscord. 2024. Influence of dietary particle size, calcium, and phytase supplementation on gizzard pH, phytate degradation, and phosphorus digestibility in broiler chickens. Proceedings of the Society of Nutrition Physiology 33, 106

2023

32) Heyer C.M.E., D. de Frenne, N. Klein, W. Siegert, and M. Rodehutscord. 2023. Neutral detergent fibre concentration in different genotypes affects in vitro gas production for oat and rye grain, but not for barley grain. Proceedings of the Society of Nutrition Physiology 32, 45

31) Ibrahim A., M. Rodehutscord, and W. Siegert. 2023. Auswirkungen des Ersatzes von peptidgebundenen gegen freie Aminosäuren auf das Wachstum und den Stickstoff-Stoffwechsel bei Masthähnchen in Abhängigkeit von der Asparagin- und Glutamin-Versorgung. In: Zeyner A., and H. Kluth (Eds.): 16. Tagung Schweine- und Geflügelernährung, 14 to 16 November 2023, Lutherstadt Wittenberg, Germany, 137–139
30) Ibrahim A., Rodehutscord M., and W. Siegert. 2023. Effect of substituting peptide-bound with free amino acids in broiler feeding on acid-base balance depends on asparagine and glutamine supply. 23rd European Symposium on Poultry Nutrition, 21 to 24 June 2023, Rimini, Italy
29) Ibrahim A., M. Rodehutscord, and W. Siegert. 2023. Influence of substituting peptide-bound with free amino acids on growth and nitrogen metabolism of broiler chickens depending on the asparagine and glutamine supply. Proceedings of the Society of Nutrition Physiology 32, 25
28) Siegert W., J. Kern, A. Bosse, and M. Rodehutscord. 2023. Influence of oil carriers for feed oil on growth, crude fat digestibility and metabolisable energy in broiler chickens. Proceedings of the Society of Nutrition Physiology 32, 83
27) Wolfrum S., W. Siegert, D. Feuerstein, and M. Rodehutscord. 2023. Effects of phytase dosage and dietary phytate concentration on the precaecal phytate disappearance and phosphorus digestibility in broiler chickens. Proceedings of the Society of Nutrition Physiology 32, 93
26) Wolfrum S., W. Siegert, D. Feuerstein, and M. Rodehutscord. 2023. Effekte von Phytasedosierung und Phytatkonzentration im Futter auf das praecaecale Phytat-Verschwinden und die praecaecale Phosphor-Verdaulichkeit bei Masthähnchen. In: Zeyner A., and H. Kluth (Eds.): 16. Tagung Schweine- und Geflügelernährung, 14 to 16 November 2023, Lutherstadt Wittenberg, Germany, 151–153
25) Wolfrum S., W. Siegert, V. Sommerfeld, D. Feuerstein, and M. Rodehutscord. 2023. Influence of phytase dosage and dietary phytate concentration on precaecal phytate disappearance and amino acid digestibility in broilers. 23rd European Symposium on Poultry Nutrition, 21 to 24 June 2023, Rimini, Italy

2022

24) Ahmadi H., W. Siegert, and M. Rodehutscord. 2022. Estimating optimal amino acids intake of broiler chickens using Gaussian process regression and genetic algorithm. Proceedings of the Society of Nutrition Physiology 31, 106
23) Siegert W., S. Kuenz, W. Windisch, and M. Rodehutscord. 2022. Variation of amino acid digestibility and metabolisable energy of soybean meal in caecectomised laying hens. World's Poultry Congress, 7 to 11 August 2022, Paris, France
22) Siegert W., S. Sommerfeld, and M. Rodehutscord. 2022. Influence of monocalcium phosphate and phytase in the diet on phytate degradation in caecectomised laying hens. Proceedings of the Society of Nutrition Physiology31, 125

2021

21) Krieg J., W. Siegert, D. Borda-Molina, D. Feuerstein, A. Camarinha-Silva, and M. Rodehutscord. 2020. Influence of calcium level, calcium source, and phytase on precaecal amino acid digestibility and intestinal microbiota of broiler chickens. World's Poultry Congress, 8 to 12 August 2021, Paris, France
20) Siegert W. 2021. Fütterung von Insekten an Nutztiere. Online conference of Junge DLG/Teams Hohenheim "Großes Krabbeln im Futtertrog – Insekten, das Futter der Zukunft?", 15 December 2021
19) Siegert W., A. Ibrahim, W. Link, and M. Rodehutscord. 2021. Amino acid digestibility and metabolisable energy of spring and winter faba beans grown on two sites in caecectomised laying hens. Proceedings of the Society of Nutrition Physiology 30, 39
18) Siegert W., J. Krieg, D. Borda-Molina, D. Feuerstein, A. Camarinha-Silva, and M. Rodehutscord. 2021. Influence of calcium level and source, acidification, and phytase supplementation on precaecal amino acid digestibility and intestinal microbiota of broiler chickens. Proceedings of the Society of Nutrition Physiology 30, 66

2020

17) Hofmann P., W. Siegert, V.D. Naranjo, and M. Rodehutscord. 2020. Effects of supplemented non-essential amino acids in diets with very low crude protein concentration on growth and nitrogen utilisation efficiency of broiler chickens. Proceedings of the Society of Nutrition Physiology 29, 51
16) Krieg J., Y.P. Chi, D. Feuerstein, W. Siegert, and M. Rodehutscord. 2020. Effect of dietary Ca concentration on precaecal $InsP_6$ disappearance and P digestibility in broiler chickens depends on the Ca source. Proceedings of the Society of Nutrition Physiology 29, 64
15) Siegert W., P. Rosenfelder-Kuon, and M. Rodehutscord. 2020. Erkenntnisse aus GrainUp zum Futterwert von Getreide bei Schweinen. LAF Landesarbeitskreis Fütterung Baden-Württemberg e.V. Webinar „Aktuelles zur Schweinehaltung", 6 October 2020

2019

14) Krieg J., W. Siegert, D. Berghaus, J. Bock, D. Feuerstein, and M. Rodehutscord. 2019. Precaecal amino acid digestibility and $InsP_6$ disappearance in broiler diets containing different oilseed meals as influenced by phytase supplementation. Proceedings of the Society of Nutrition Physiology 28, 95
13) Krieg J., W. Siegert, J. Bock, D. Feuerstein, and M. Rodehutscord. 2019. Effects of phytase supplementation on prececal amino acid digestibility of different oilseed meals in broilers. 22nd European Symposium on Poultry Nutrition, 10 to 13 June 2019, Gdańsk, Poland, 174
12) Siegert W., and M. Rodehutscord. 2019. Potentiale der N-reduzierten Fütterung von Broilern. LAF Landesarbeitskreis Fütterung Baden-Württemberg e.V. Vortragstagung „Neues zur Geflügelfütterung", 27 November 2019, Neuhausen auf den Fildern, Germany
11) Siegert W., P. Hofmann, and M. Rodehutscord. 2019. Effects of drying at low temperatures on inositol phosphate concentrations in excreta of caecectomised laying hens and broilers. 22nd European Symposium on Poultry Nutrition, 10 to 13 June 2019, Gdańsk, Poland, 293

2018

10) Hofmann P., W. Siegert, V. Naranjo, and M. Rodehutscord. 2018. Effect of crude protein concentrations and varying glycine and serine concentrations on growth and nitrogen efficiency in broilers. Proceedings of the Society of Nutrition Physiology 27, 50

2017

9) Siegert W., A. Helmbrecht, and M. Rodehutscord. 2017. No sufficient additivity of apparent prececal amino acid digestibility in broilers. 21st European Symposium on Poultry Nutrition, 8 to 11 May 2017, Salou/Vila-seca, Spain, 189
8) Siegert W., and M. Rodehutscord. 2017. Einflussfaktoren auf die Auswirkungen von Glycin-Supplementen in Futtermischungen mit geringem Rohproteingehalt beim Broiler. Frühjahrsveranstaltung der Deutschen Vereinigung für Geflügelwissenschaft e.V., 8 March 2017, Hannover, Germany
7) Siegert W., P. Hofmann, and M. Rodehutscord. 2017. Influence of drying at low temperatures on composition of nitrogenous compounds in excreta of broilers and caecectomised laying hens. Proceedings of the Society of Nutrition Physiology 26, 180
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