

Mette Skou Hedemann

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,216
citations

687363

13
h-index

434195

31
g-index

36
all docs

36
docs citations

36
times ranked

1884
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Diet-Modulated Butyrate Production on Intestinal Barrier Function and Inflammation. <i>Nutrients</i> , 2018, 10, 1499.	4.1	328
2	Influence of Dietary Zinc Oxide and Copper Sulfate on the Gastrointestinal Ecosystem in Newly Weaned Piglets. <i>Applied and Environmental Microbiology</i> , 2005, 71, 2267-2277.	3.1	255
3	The role of carbohydrates in intestinal health of pigs. <i>Animal Feed Science and Technology</i> , 2012, 173, 41-53.	2.2	134
4	Dietary fibers and associated phytochemicals in cereals. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1600518.	3.3	67
5	Resistant starch and arabinoxylan augment SCFA absorption, but affect postprandial glucose and insulin responses differently. <i>British Journal of Nutrition</i> , 2014, 111, 1564-1576.	2.3	62
6	In vivo methods to study the digestion of starch in pigs and poultry. <i>Animal Feed Science and Technology</i> , 2006, 130, 114-135.	2.2	45
7	Resistant starch for weaning pigs – Effect on concentration of short chain fatty acids in digesta and intestinal morphology. <i>Livestock Science</i> , 2007, 108, 175-177.	1.6	42
8	Multicompartmental Nontargeted LC-MS Metabolomics: Explorative Study on the Metabolic Responses of Rye Fiber versus Refined Wheat Fiber Intake in Plasma and Urine of Hypercholesterolemic Pigs. <i>Journal of Proteome Research</i> , 2013, 12, 2818-2832.	3.7	33
9	Comparison of Sparse and Jack-knife partial least squares regression methods for variable selection. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2013, 122, 65-77.	3.5	27
10	Sparse multi-block PLSR for biomarker discovery when integrating data from LC-MS and NMR metabolomics. <i>Metabolomics</i> , 2015, 11, 367-379.	3.0	27
11	Mucopenetrating polymer – Lipid hybrid nanovesicles as subunits in alginate beads as an oral formulation. <i>Journal of Controlled Release</i> , 2020, 322, 470-485.	9.9	20
12	Resistant Starch but Not Enzymatically Modified Waxy Maize Delays Development of Diabetes in Zucker Diabetic Fatty Rats. <i>Journal of Nutrition</i> , 2017, 147, 825-834.	2.9	18
13	Obesity Development in a Miniature Yucatan Pig Model: A Multi-compartmental Metabolomics Study on Cloned and Normal Pigs Fed Restricted or Ad Libitum High-Energy Diets. <i>Journal of Proteome Research</i> , 2019, 18, 30-47.	3.7	16
14	Obesity-Related Metabolome and Gut Microbiota Profiles of Juvenile Göttingen Minipigs – Long-Term Intake of Fructose and Resistant Starch. <i>Metabolites</i> , 2020, 10, 456.	2.9	16
15	Postprandial PYY increase by resistant starch supplementation is independent of net portal appearance of short-chain fatty acids in pigs. <i>PLoS ONE</i> , 2017, 12, e0185927.	2.5	15
16	The Relationship between In Vitro and In Vivo Starch Digestion Kinetics of Breads Varying in Dietary Fibre. <i>Foods</i> , 2020, 9, 1337.	4.3	13
17	In vitro starch digestion kinetics of diets varying in resistant starch and arabinoxylan compared with in vivo portal appearance of glucose in pigs. <i>Food Research International</i> , 2016, 88, 199-206.	6.2	12
18	Dietary protein source and butyrylated high-amylose maize starch included in a high-protein diet determines the urinary metabolome of rats. <i>International Journal of Food Sciences and Nutrition</i> , 2019, 70, 255-266.	2.8	11

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19	Dried chicory root has minor effects on the digestibility of nutrients and the composition of the microflora at the terminal ileum and in faeces of growing pigs. <i>Livestock Science</i> , 2010, 134, 53-55.	1.6	9
20	Oxylipins discriminate between whole grain wheat and wheat aleurone intake: a metabolomics study on pig plasma. <i>Metabolomics</i> , 2013, 9, 464-479.	3.0	9
21	Effect of Antibiotics and Diet on Enterolactone Concentration and Metabolome Studied by Targeted and Nontargeted LC-MS Metabolomics. <i>Journal of Proteome Research</i> , 2017, 16, 2135-2150.	3.7	8
22	Metabolomic study of plasma from female mink (<i>Neovison vison</i>) with low and high residual feed intake during restrictive and ad libitum feeding. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2012, 7, 322-327.	1.0	7
23	Whole Grain Consumption Increases Gastrointestinal Content of Sulfate-Conjugated Oxylipins in Pigs – A Multicompartmental Metabolomics Study. <i>Journal of Proteome Research</i> , 2015, 14, 3095-3110.	3.7	7
24	Distinct Difference in Absorption Pattern in Pigs of Betaine Provided as a Supplement or Present Naturally in Cereal Dietary Fiber. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 2725-2733.	5.2	7
25	Morphology of the large intestine of the pig: Haustra versus taenia. <i>Annals of Anatomy</i> , 2002, 184, 401-403.	1.9	6
26	A diet containing dried chicory root does not protect against post-weaning diarrhoea in an <i>E. coli</i> challenge model using piglets weaned at 7 weeks of age. <i>Livestock Science</i> , 2010, 133, 232-235.	1.6	4
27	Mechanisms Whereby Whole Grain Cereals Modulate the Prevention of Type 2 Diabetes. , 2016, , 87-103.		4
28	Dietary manipulation of the sow milk does not influence the lipid absorption capacity of the progeny. <i>Livestock Science</i> , 2007, 108, 167-170.	1.6	3
29	The urinary metabolome in female mink (<i>Mustela neovison</i>) shows distinct changes in protein and lipid metabolism during the transition from diapause to implantation. <i>Metabolomics</i> , 2017, 13, 1.	3.0	3
30	Effect of food ingredients on glucagon-like peptide-1 secretion in STC-1 and HuTu-80 cells. <i>International Journal of Food Science and Technology</i> , 2019, 54, 3149-3155.	2.7	3
31	Obesity Development and Signs of Metabolic Abnormalities in Young Göttingen Minipigs Consuming Energy Dense Diets Varying in Carbohydrate Quality. <i>Nutrients</i> , 2021, 13, 1560.	4.1	3
32	A metabolomics approach used to profile plasma from portal-arterial pigs revealed differences between breeds incurred by dietary fibre and protein contents. <i>Journal of Nutritional Science</i> , 2014, 3, e18.	1.9	1
33	Dietary fibre and protein do not synergistically influence insulin, metabolic or inflammatory biomarkers in young obese Göttingen minipigs. <i>British Journal of Nutrition</i> , 2021, 125, 828-840.	2.3	1
34	Impact of substituting compound feed with increasing levels of fresh grass-clover on nitrogen metabolism and plasma metabolites of sows. <i>Livestock Science</i> , 2020, 242, 104269.	1.6	0
35	The role of rye bran and antibiotics on the digestion, fermentation process and short-chain fatty acid production and absorption in an intact pig model. <i>Food and Function</i> , 2021, 12, 2886-2900.	4.6	0
36	The Role of Fibre in Gut Health. <i>Recent Advances in Animal Nutrition</i> , 2009, 2008, 211-233.	0.1	0