

# Mette Skou Hedemann

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2952371/publications.pdf>

Version: 2024-02-01

36  
papers

1,216  
citations

686830

13  
h-index

433756

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.	1.7	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.	1.4	255
3	The role of carbohydrates in intestinal health of pigs. <i>Animal Feed Science and Technology</i> , 2012, 173, 41-53.	1.1	134
4	Dietary fibers and associated phytochemicals in cereals. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1600518.	1.5	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.	1.2	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.	1.1	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.	0.6	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.	1.8	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.	1.8	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.	1.4	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.	4.8	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.	1.3	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.	1.8	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.	1.3	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.	1.1	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.	1.9	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.	2.9	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.	1.3	11

#	ARTICLE	IF	CITATIONS
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.	0.6	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.	1.4	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.	1.8	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.	0.4	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.	1.8	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.	2.4	7
25	Morphology of the large intestine of the pig: Haustra versus taenia. <i>Annals of Anatomy</i> , 2002, 184, 401-403.	1.0	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.	0.6	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.	0.6	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.	1.4	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.	1.3	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.	1.7	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.	0.7	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.	1.2	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.	0.6	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.	2.1	0
36	The Role of Fibre in Gut Health. <i>Recent Advances in Animal Nutrition</i> , 2009, 2008, 211-233.	0.1	0