

# Sandrine P Claus

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

3,573  
citations

236612

25  
h-index

264894

42  
g-index

43  
all docs

43  
docs citations

43  
times ranked

6687  
citing authors

#	ARTICLE	IF	CITATIONS
1	Insight into the prebiotic concept: lessons from an exploratory, double blind intervention study with inulin-type fructans in obese women. <i>Gut</i> , 2013, 62, 1112-1121.	6.1	632
2	The gut microbiota: a major player in the toxicity of environmental pollutants?. <i>Npj Biofilms and Microbiomes</i> , 2016, 2, 16003.	2.9	470
3	Colonization-Induced Host-Gut Microbial Metabolic Interaction. <i>MBio</i> , 2011, 2, e00271-10.	1.8	342
4	Systemic multicompartamental effects of the gut microbiome on mouse metabolic phenotypes. <i>Molecular Systems Biology</i> , 2008, 4, 219.	3.2	304
5	Influence of galacto-oligosaccharide mixture (B-GOS) on gut microbiota, immune parameters and metabonomics in elderly persons. <i>British Journal of Nutrition</i> , 2015, 114, 586-595.	1.2	235
6	Synbiotic approach restores intestinal homeostasis and prolongs survival in leukaemic mice with cachexia. <i>ISME Journal</i> , 2016, 10, 1456-1470.	4.4	149
7	High-fat diet induces depression-like behaviour in mice associated with changes in microbiome, neuropeptide Y, and brain metabolome. <i>Nutritional Neuroscience</i> , 2019, 22, 877-893.	1.5	133
8	The gut microbiota elicits a profound metabolic reorientation in the mouse jejunal mucosa during conventionalisation. <i>Gut</i> , 2013, 62, 1306-1314.	6.1	118
9	A metabolic system-wide characterisation of the pig: a model for human physiology. <i>Molecular BioSystems</i> , 2011, 7, 2577.	2.9	101
10	Gut Microbiota Modulate the Metabolism of Brown Adipose Tissue in Mice. <i>Journal of Proteome Research</i> , 2012, 11, 620-630.	1.8	89
11	Gut bacteriaâ€‘host metabolic interplay during conventionalisation of the mouse germfree colon. <i>ISME Journal</i> , 2013, 7, 743-755.	4.4	84
12	Early Metabolic Adaptation in C57BL/6 Mice Resistant to High Fat Diet Induced Weight Gain Involves an Activation of Mitochondrial Oxidative Pathways. <i>Journal of Proteome Research</i> , 2013, 12, 1956-1968.	1.8	63
13	Important Considerations for Sample Collection in Metabolomics Studies with a Special Focus on Applications to Liver Functions. <i>Metabolites</i> , 2020, 10, 104.	1.3	61
14	Metabolomics of fecal samples: A practical consideration. <i>Trends in Food Science and Technology</i> , 2016, 57, 244-255.	7.8	58
15	Combined Transcriptomicâ€‘ <sup>1</sup> H NMR Metabonomic Study Reveals That Monoethylhexyl Phthalate Stimulates Adipogenesis and Glyceroneogenesis in Human Adipocytes. <i>Journal of Proteome Research</i> , 2011, 10, 5493-5502.	1.8	57
16	Analysis of Time-Related Metabolic Fluctuations Induced by Ethionine in the Rat. <i>Journal of Proteome Research</i> , 2007, 6, 4572-4581.	1.8	51
17	Identification of potential mechanisms of toxicity after di-(2-ethylhexyl)-phthalate (DEHP) adult exposure in the liver using a systems biology approach. <i>Toxicology and Applied Pharmacology</i> , 2009, 236, 282-292.	1.3	49
18	Nutrimetabonomics: Applications for Nutritional Sciences, with Specific Reference to Gut Microbial Interactions. <i>Annual Review of Food Science and Technology</i> , 2013, 4, 381-399.	5.1	45

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19	New insights into the impact of <i>Lactobacillus</i> population on host-bacteria metabolic interplay. <i>Oncotarget</i> , 2015, 6, 30545-30556.	0.8	45
20	Effect of Breadmaking Process on In Vitro Gut Microbiota Parameters in Irritable Bowel Syndrome. <i>PLoS ONE</i> , 2014, 9, e111225.	1.1	44
21	A New Strain of <i>Christensenella minuta</i> as a Potential Biotherapy for Obesity and Associated Metabolic Diseases. <i>Cells</i> , 2021, 10, 823.	1.8	42
22	NMR metabolomics identifies over 60 biomarkers associated with Type II Diabetes impairment in db/db mice. <i>Metabolomics</i> , 2019, 15, 89.	1.4	39
23	Pharmacometabonomic Characterization of Xenobiotic and Endogenous Metabolic Phenotypes That Account for Inter-individual Variation in Isoniazid-Induced Toxicological Response. <i>Journal of Proteome Research</i> , 2012, 11, 4630-4642.	1.8	33
24	Multi-compartment metabolomics and metagenomics reveal major hepatic and intestinal disturbances in cancer cachectic mice. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021, 12, 456-475.	2.9	30
25	Towards microbiome-informed dietary recommendations for promoting metabolic and mental health: Opinion papers of the MyNewGut project. <i>Clinical Nutrition</i> , 2018, 37, 2191-2197.	2.3	29
26	Metabolic Phenotype Modulation by Caloric Restriction in a Lifelong Dog Study. <i>Journal of Proteome Research</i> , 2013, 12, 3117-3127.	1.8	26
27	Weaning diet induces sustained metabolic phenotype shift in the pig and influences host response to <i>Bifidobacterium lactis</i> NCC2818. <i>Gut</i> , 2013, 62, 842-851.	6.1	26
28	Thanatometabolomics: introducing NMR-based metabolomics to identify metabolic biomarkers of the time of death. <i>Metabolomics</i> , 2019, 15, 37.	1.4	23
29	The Inositol-3-Phosphate Synthase Biosynthetic Enzyme Has Distinct Catalytic and Metabolic Roles. <i>Molecular and Cellular Biology</i> , 2016, 36, 1464-1479.	1.1	22
30	Next Generation Microbiome Research: Identification of Keystone Species in the Metabolic Regulation of Host-Gut Microbiota Interplay. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 719072.	1.8	21
31	A new mechanism for cannabidiol in regulating the one-carbon cycle and methionine levels in <i>Dictyostelium</i> and in mammalian epilepsy models. <i>British Journal of Pharmacology</i> , 2020, 177, 912-928.	2.7	19
32	Anhedonia induced by high-fat diet in mice depends on gut microbiota and leptin. <i>Nutritional Neuroscience</i> , 2020, , 1-14.	1.5	17
33	Identifying a Novel Bile Salt Hydrolase from the Keystone Gut Bacterium <i>Christensenella minuta</i> . <i>Microorganisms</i> , 2021, 9, 1252.	1.6	17
34	Entering First-in-Human Clinical Study With a Single-Strain Live Biotherapeutic Product: Input and Feedback Gained From the EMA and the FDA. <i>Frontiers in Medicine</i> , 2021, 8, 716266.	1.2	16
35	Nutrimetabonomics: Nutritional Applications of Metabolic Profiling. <i>Science Progress</i> , 2014, 97, 41-47.	1.0	15
36	Drinking water application of Denagard® Tiamulin for control of <i>Brachyspira pilosicoli</i> infection of laying poultry. <i>Research in Veterinary Science</i> , 2015, 103, 87-95.	0.9	12

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37	Foodomics for personalized nutrition: how far are we?. Current Opinion in Food Science, 2015, 4, 129-135.	4.1	12
38	Selection of a novel strain of Christensenella minuta as a future biotherapy for Crohn's disease. Scientific Reports, 2022, 12, 6017.	1.6	11
39	Premature Impairment of Methylation Pathway and Cardiac Metabolic Dysfunction in Obese Zucker Rats. Journal of Proteome Research, 2013, 12, 1935-1945.	1.8	9
40	Mammalian-Microbial Cometabolism of L-Carnitine in the Context of Atherosclerosis. Cell Metabolism, 2014, 20, 699-700.	7.2	9
41	Fighting Undernutrition: Don't Forget the Bugs. Cell Host and Microbe, 2013, 13, 239-240.	5.1	8
42	<i>Brachyspira pilosicoli</i> -induced avian intestinal spirochaetosis. Microbial Ecology in Health and Disease, 2015, 26, 28853.	3.8	6