

# Alain Stintzi

## List of Publications by Year in descending order

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79  
papers

3,751  
citations

159585

30  
h-index

155660

55  
g-index

83  
all docs

83  
docs citations

83  
times ranked

4810  
citing authors

#	ARTICLE	IF	CITATIONS
1	Altered intestinal microbiotaâ€™host mitochondria crosstalk in new onset Crohnâ€™s disease. Nature Communications, 2016, 7, 13419.	12.8	326
2	Iron Acquisition and Regulation in <i>Campylobacter jejuni</i> . Journal of Bacteriology, 2004, 186, 4714-4729.	2.2	226
3	Metaproteomics reveals associations between microbiome and intestinal extracellular vesicle proteins in pediatric inflammatory bowel disease. Nature Communications, 2018, 9, 2873.	12.8	209
4	RapidAIM: a culture- and metaproteomics-based Rapid Assay of Individual Microbiome responses to drugs. Microbiome, 2020, 8, 33.	11.1	209
5	Advancing functional and translational microbiome research using meta-omics approaches. Microbiome, 2019, 7, 154.	11.1	177
6	MetaPro-IQ: a universal metaproteomic approach to studying human and mouse gut microbiota. Microbiome, 2016, 4, 31.	11.1	154
7	Characterization of the oxidative stress stimulon and PerR regulon of <i>Campylobacter jejuni</i> . BMC Genomics, 2009, 10, 481.	2.8	144
8	MetaLab: an automated pipeline for metaproteomic data analysis. Microbiome, 2017, 5, 157.	11.1	128
9	Low temperature MBBR nitrification: Microbiome analysis. Water Research, 2017, 111, 224-233.	11.3	115
10	Assessing the impact of protein extraction methods for human gut metaproteomics. Journal of Proteomics, 2018, 180, 120-127.	2.4	115
11	Disruption of maternal gut microbiota during gestation alters offspring microbiota and immunity. Microbiome, 2018, 6, 124.	11.1	109
12	Citrate-mediated iron uptake in <i>Pseudomonas aeruginosa</i> : involvement of the citrate-inducible FecA receptor and the FeoB ferrous iron transporter. Microbiology (United Kingdom), 2009, 155, 305-315.	1.8	100
13	Gut microbiota of the very-low-birth-weight infant. Pediatric Research, 2015, 77, 205-213.	2.3	85
14	Blenderized Enteral Nutrition Diet Study: Feasibility, Clinical, and Microbiome Outcomes of Providing Blenderized Feeds Through a Gastric Tube in a Medically Complex Pediatric Population. Journal of Parenteral and Enteral Nutrition, 2018, 42, 1046-1060.	2.6	85
15	Deep Metaproteomics Approach for the Study of Human Microbiomes. Analytical Chemistry, 2017, 89, 9407-9415.	6.5	83
16	An in vitro model maintaining taxon-specific functional activities of the gut microbiome. Nature Communications, 2019, 10, 4146.	12.8	70
17	Proteomic analysis of ascending colon biopsies from a paediatric inflammatory bowel disease inception cohort identifies protein biomarkers that differentiate Crohn's disease from UC. Gut, 2017, 66, 1573-1583.	12.1	69
18	Lâ€™fucose influences chemotaxis and biofilm formation in <i>Campylobacter jejuni</i> . Molecular Microbiology, 2016, 101, 575-589.	2.5	64

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19	Biofilm spatial organization by the emerging pathogen <i>Campylobacter jejuni</i> : comparison between NCTC 11168 and 81-176 strains under microaerobic and oxygen-enriched conditions. <i>Frontiers in Microbiology</i> , 2015, 6, 709.	3.5	61
20	Resistant starch, microbiome, and precision modulation. <i>Gut Microbes</i> , 2021, 13, 1926842.	9.8	53
21	Cathelicidin Antimicrobial Peptide: A Novel Regulator of Islet Function, Islet Regeneration, and Selected Gut Bacteria. <i>Diabetes</i> , 2015, 64, 4135-4147.	0.6	50
22	Refined analysis of the <i>Campylobacter jejuni</i> iron-dependent/independent Fur- and PerR-transcriptomes. <i>BMC Genomics</i> , 2015, 16, 498.	2.8	49
23	Biological Roles of the O-Methyl Phosphoramidate Capsule Modification in <i>Campylobacter jejuni</i> . <i>PLoS ONE</i> , 2014, 9, e87051.	2.5	48
24	Transcriptomic Analysis of the <i>Campylobacter jejuni</i> Response to T4-Like Phage NCTC 12673 Infection. <i>Viruses</i> , 2018, 10, 332.	3.3	46
25	Meso and micro-scale response of post carbon removal nitrifying MBBR biofilm across carrier type and loading. <i>Water Research</i> , 2016, 91, 235-243.	11.3	45
26	Mucosa-Associated Ileal Microbiota in New-Onset Pediatric Crohn's Disease. <i>Inflammatory Bowel Diseases</i> , 2016, 22, 1533-1539.	1.9	43
27	Oxidative and nitrosative stress defences of <i>Helicobacter</i> and <i>Campylobacter</i> species that counteract mammalian immunity. <i>FEMS Microbiology Reviews</i> , 2016, 40, 938-960.	8.6	42
28	Evaluating in Vitro Culture Medium of Gut Microbiome with Orthogonal Experimental Design and a Metaproteomics Approach. <i>Journal of Proteome Research</i> , 2018, 17, 154-163.	3.7	41
29	In Vitro Metabolic Labeling of Intestinal Microbiota for Quantitative Metaproteomics. <i>Analytical Chemistry</i> , 2016, 88, 6120-6125.	6.5	40
30	Phenotypic Screening of a Targeted Mutant Library Reveals <i>Campylobacter jejuni</i> Defenses against Oxidative Stress. <i>Infection and Immunity</i> , 2014, 82, 2266-2275.	2.2	38
31	Rapid start-up of nitrifying MBBRs at low temperatures: nitrification, biofilm response and microbiome analysis. <i>Bioprocess and Biosystems Engineering</i> , 2017, 40, 731-739.	3.4	35
32	The mucosal-luminal interface: an ideal sample to study the mucosa-associated microbiota and the intestinal microbial biogeography. <i>Pediatric Research</i> , 2019, 85, 895-903.	2.3	32
33	Widespread protein lysine acetylation in gut microbiome and its alterations in patients with Crohn's disease. <i>Nature Communications</i> , 2020, 11, 4120.	12.8	32
34	Mothers of Preterm Infants Have Individualized Breast Milk Microbiota that Changes Temporally Based on Maternal Characteristics. <i>Cell Host and Microbe</i> , 2020, 28, 669-682.e4.	11.0	31
35	Pilot-scale tertiary MBBR nitrification at 15°C: characterization of ammonia removal rate, solids settleability and biofilm characteristics. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 2124-2132.	2.2	30
36	Berberine and its structural analogs have differing effects on functional profiles of individual gut microbiomes. <i>Gut Microbes</i> , 2020, 11, 1348-1361.	9.8	30

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37	Variation on a theme: investigating the structural repertoires used by ferric uptake regulators to control gene expression. <i>BioMetals</i> , 2018, 31, 681-704.	4.1	27
38	The gastrointestinal pathogen <i>Campylobacter jejuni</i> metabolizes sugars with potential help from commensal <i>Bacteroides vulgatus</i> . <i>Communications Biology</i> , 2020, 3, 2.	4.4	26
39	Stress Responses, Adaptation, and Virulence of Bacterial Pathogens During Host Gastrointestinal Colonization. <i>Microbiology Spectrum</i> , 2016, 4, .	3.0	25
40	Maternal Diet and Infant Feeding Practices Are Associated with Variation in the Human Milk Microbiota at 3 Months Postpartum in a Cohort of Women with High Rates of Gestational Glucose Intolerance. <i>Journal of Nutrition</i> , 2021, 151, 320-329.	2.9	24
41	The <i>Campylobacter jejuni</i> Ferric Uptake Regulator Promotes Acid Survival and Cross-Protection against Oxidative Stress. <i>Infection and Immunity</i> , 2016, 84, 1287-1300.	2.2	23
42	Open: Mucosal-luminal interface proteomics reveals biomarkers of pediatric inflammatory bowel disease-associated colitis. <i>American Journal of Gastroenterology</i> , 2018, 113, 713-724.	0.4	23
43	Independent of Birth Mode or Gestational Age, Very-Low-Birth-Weight Infants Fed Their Mothers' Milk Rapidly Develop Personalized Microbiotas Low in <i>Bifidobacterium</i> . <i>Journal of Nutrition</i> , 2018, 148, 326-335.	2.9	22
44	Children's perspectives on the benefits and burdens of research participation. <i>AJOB Empirical Bioethics</i> , 2018, 9, 19-28.	1.6	20
45	Examining the relationship between maternal body size, gestational glucose tolerance status, mode of delivery and ethnicity on human milk microbiota at three months post-partum. <i>BMC Microbiology</i> , 2020, 20, 219.	3.3	20
46	Inactivation of the LysR regulator Cj1000 of <i>Campylobacter jejuni</i> affects host colonization and respiration. <i>Microbiology (United Kingdom)</i> , 2013, 159, 1165-1178.	1.8	19
47	Human Microbiome and Learning Healthcare Systems: Integrating Research and Precision Medicine for Inflammatory Bowel Disease. <i>OMICS A Journal of Integrative Biology</i> , 2018, 22, 119-126.	2.0	19
48	Stress Responses, Adaptation, and Virulence of Bacterial Pathogens During Host Gastrointestinal Colonization. , 0, , 385-411.		18
49	The impact of probiotics and lactoferrin supplementation on piglet gastrointestinal microbial communities. <i>BioMetals</i> , 2019, 32, 533-543.	4.1	18
50	The effects of resistant starches on inflammatory bowel disease in preclinical and clinical settings: a systematic review and meta-analysis. <i>BMC Gastroenterology</i> , 2020, 20, 372.	2.0	17
51	Identification of Adaptive Mutations in the Influenza A Virus Non-Structural 1 Gene That Increase Cytoplasmic Localization and Differentially Regulate Host Gene Expression. <i>PLoS ONE</i> , 2013, 8, e84673.	2.5	16
52	Iron Metabolism, Transport, and Regulation. , 0, , 591-610.		16
53	A functional ecological network based on metaproteomics responses of individual gut microbiomes to resistant starches. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 3833-3842.	4.1	15
54	Virome Sequencing of the Human Intestinal Mucosal Luminal Interface. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 582187.	3.9	14

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55	Binding of Phage-Encoded FlaGrab to Motile <i>Campylobacter jejuni</i> Flagella Inhibits Growth, Downregulates Energy Metabolism, and Requires Specific Flagellar Glycans. <i>Frontiers in Microbiology</i> , 2020, 11, 397.	3.5	14
56	Tolerability and SCFA production after resistant starch supplementation in humans: a systematic review of randomized controlled studies. <i>American Journal of Clinical Nutrition</i> , 2022, 115, 608-618.	4.7	14
57	Functional insights into the interplay between DNA interaction and metal coordination in ferric uptake regulators. <i>Scientific Reports</i> , 2018, 8, 7140.	3.3	13
58	Post carbon removal nitrifying MBBR operation at high loading and exposure to starvation conditions. <i>Bioresource Technology</i> , 2017, 239, 318-325.	9.6	12
59	Critical appraisal of the mechanisms of gastrointestinal and hepatobiliary infection by COVID-19. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 321, G99-G112.	3.4	12
60	Cj1386, an Atypical Hemin-Binding Protein, Mediates Hemin Trafficking to KatA in <i>Campylobacter jejuni</i> . <i>Journal of Bacteriology</i> , 2015, 197, 1002-1011.	2.2	11
61	Dietary strategies and food practices of pediatric patients, and their parents, living with inflammatory bowel disease: a qualitative interview study. <i>International Journal of Qualitative Studies on Health and Well-being</i> , 2019, 14, 1648945.	1.6	10
62	Oligosaccharides and Microbiota in Human Milk Are Interrelated at 3 Months Postpartum in a Cohort of Women with a High Prevalence of Gestational Impaired Glucose Tolerance. <i>Journal of Nutrition</i> , 2021, 151, 3431-3441.	2.9	10
63	Using <i>Galleria mellonella</i> as an Infection Model for <i>Campylobacter jejuni</i> Pathogenesis. <i>Methods in Molecular Biology</i> , 2017, 1512, 163-169.	0.9	9
64	NuA4 Lysine Acetyltransferase Complex Contributes to Phospholipid Homeostasis in <i>Saccharomyces cerevisiae</i> . <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 1799-1809.	1.8	7
65	Glycomacropeptide for Management of Insulin Resistance and Liver Metabolic Perturbations. <i>Biomedicines</i> , 2021, 9, 1140.	3.2	7
66	Evaluating live microbiota biobanking using an <i>ex vivo</i> microbiome assay and metaproteomics. <i>Gut Microbes</i> , 2022, 14, 2035658.	9.8	7
67	Crystal structure of <i>Campylobacter jejuni</i> peroxide regulator. <i>FEBS Letters</i> , 2018, 592, 2351-2360.	2.8	6
68	Bovine Lactoferrin Supplementation Does Not Disrupt Microbiota Development in Preterm Infants Receiving Probiotics. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2020, 71, 216-222.	1.8	5
69	Examining the Effects of an Anti-Salmonella Bacteriophage Preparation, BAFASALÂ®, on Ex-Vivo Human Gut Microbiome Composition and Function Using a Multi-Omics Approach. <i>Viruses</i> , 2021, 13, 1734.	3.3	5
70	Structural analysis of <i>Atopobium parvulum</i> SufS cysteine desulfurase linked to Crohn's disease. <i>FEBS Letters</i> , 2022, 596, 898-909.	2.8	5
71	Purification and characterization of <i>Campylobacter jejuni</i> ferric uptake regulator. <i>BioMetals</i> , 2019, 32, 491-500.	4.1	4
72	Elevated colonic microbiota-associated paucimannosidic and truncated N-glycans in pediatric ulcerative colitis. <i>Journal of Proteomics</i> , 2021, 249, 104369.	2.4	4

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73	Reduced Infection Efficiency of Phage NCTC 12673 on Non-Motile <i>Campylobacter jejuni</i> Strains Is Related to Oxidative Stress. <i>Viruses</i> , 2021, 13, 1955.	3.3	4
74	Comprehensive Assessment of Functional Effects of Commonly Used Sugar Substitute Sweeteners on <i>Ex Vivo</i> Human Gut Microbiome. <i>Microbiology Spectrum</i> , 2022, 10, .	3.0	3
75	Factors contributing to fidelity in a pilot trial of individualized resistant starches for pediatric inflammatory bowel disease: a fidelity study protocol. <i>Pilot and Feasibility Studies</i> , 2021, 7, 75.	1.2	2
76	“The Rest of my Childhood was Lost” Canadian Children and Adolescents’ Experiences Navigating Inflammatory Bowel Disease. <i>Qualitative Health Research</i> , 2022, 32, 95-107.	2.1	1
77	Analyzing Prokaryotic RNA-Seq Data: A Case Study Identifying Holo-Fur Regulated Genes in <i>Campylobacter jejuni</i> . <i>Methods in Molecular Biology</i> , 2017, 1512, 245-256.	0.9	0
78	Characterization of gastrointestinal pathologies in the dystonia musculorum mouse model for hereditary sensory and autonomic neuropathy type VI. <i>Neurogastroenterology and Motility</i> , 2020, 32, e13773.	3.0	0
79	Abstract 2587: Investigating the impact of chemotherapy on gut microbiota and microbiota-derived metabolites and their link to inflammation and cardiometabolic disorders in children with cancer. , 2021, , .		0