

Alain Stintzi

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

75
papers

2,196
citations

26
h-index

45
g-index

83
ext. papers

3,128
ext. citations

6.6
avg, IF

5.07
L-index

#	Paper	IF	Citations
75	Iron acquisition and regulation in <i>Campylobacter jejuni</i> . <i>Journal of Bacteriology</i> , 2004 , 186, 4714-29	3.5	196
74	Altered intestinal microbiota-host mitochondria crosstalk in new onset Crohn's disease. <i>Nature Communications</i> , 2016 , 7, 13419	17.4	189
73	Metaproteomics reveals associations between microbiome and intestinal extracellular vesicle proteins in pediatric inflammatory bowel disease. <i>Nature Communications</i> , 2018 , 9, 2873	17.4	120
72	Characterization of the oxidative stress stimulon and PerR regulon of <i>Campylobacter jejuni</i> . <i>BMC Genomics</i> , 2009 , 10, 481	4.5	114
71	MetaPro-IQ: a universal metaproteomic approach to studying human and mouse gut microbiota. <i>Microbiome</i> , 2016 , 4, 31	16.6	105
70	Low temperature MBBR nitrification: Microbiome analysis. <i>Water Research</i> , 2017 , 111, 224-233	12.5	85
69	Advancing functional and translational microbiome research using meta-omics approaches. <i>Microbiome</i> , 2019 , 7, 154	16.6	84
68	MetaLab: an automated pipeline for metaproteomic data analysis. <i>Microbiome</i> , 2017 , 5, 157	16.6	71
67	Citrate-mediated iron uptake in <i>Pseudomonas aeruginosa</i> : involvement of the citrate-inducible FecA receptor and the FeoB ferrous iron transporter. <i>Microbiology (United Kingdom)</i> , 2009 , 155, 305-315	2.9	66
66	Disruption of maternal gut microbiota during gestation alters offspring microbiota and immunity. <i>Microbiome</i> , 2018 , 6, 124	16.6	61
65	Assessing the impact of protein extraction methods for human gut metaproteomics. <i>Journal of Proteomics</i> , 2018 , 180, 120-127	3.9	58
64	Deep Metaproteomics Approach for the Study of Human Microbiomes. <i>Analytical Chemistry</i> , 2017 , 89, 9407-9415	7.8	54
63	Gut microbiota of the very-low-birth-weight infant. <i>Pediatric Research</i> , 2015 , 77, 205-13	3.2	53
62	Proteomic analysis of ascending colon biopsies from a paediatric inflammatory bowel disease inception cohort identifies protein biomarkers that differentiate Crohn's disease from UC. <i>Gut</i> , 2017 , 66, 1573-1583	19.2	50
61	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	5.7	44
60	L-fucose influences chemotaxis and biofilm formation in <i>Campylobacter jejuni</i> . <i>Molecular Microbiology</i> , 2016 , 101, 575-89	4.1	43
59	Biological roles of the O-methyl phosphoramidate capsule modification in <i>Campylobacter jejuni</i> . <i>PLoS ONE</i> , 2014 , 9, e87051	3.7	41

58	Cathelicidin Antimicrobial Peptide: A Novel Regulator of Islet Function, Islet Regeneration, and Selected Gut Bacteria. <i>Diabetes</i> , 2015 , 64, 4135-47	0.9	39
57	RapidAIM: a culture- and metaproteomics-based Rapid Assay of Individual Microbiome responses to drugs. <i>Microbiome</i> , 2020 , 8, 33	16.6	39
56	Blenderized Enteral Nutrition Diet Study: Feasibility, Clinical, and Microbiome Outcomes of Providing Blenderized Feeds Through a Gastric Tube in a Medically Complex Pediatric Population. <i>Journal of Parenteral and Enteral Nutrition</i> , 2018 , 42, 1046-1060	4.2	38
55	Meso and micro-scale response of post carbon removal nitrifying MBBR biofilm across carrier type and loading. <i>Water Research</i> , 2016 , 91, 235-43	12.5	36
54	In Vitro Metabolic Labeling of Intestinal Microbiota for Quantitative Metaproteomics. <i>Analytical Chemistry</i> , 2016 , 88, 6120-5	7.8	32
53	Mucosa-Associated Ileal Microbiota in New-Onset Pediatric Crohn's Disease. <i>Inflammatory Bowel Diseases</i> , 2016 , 22, 1533-9	4.5	32
52	An in vitro model maintaining taxon-specific functional activities of the gut microbiome. <i>Nature Communications</i> , 2019 , 10, 4146	17.4	30
51	Phenotypic screening of a targeted mutant library reveals <i>Campylobacter jejuni</i> defenses against oxidative stress. <i>Infection and Immunity</i> , 2014 , 82, 2266-75	3.7	30
50	Transcriptomic Analysis of the Response to T4-Like Phage NCTC 12673 Infection. <i>Viruses</i> , 2018 , 10,	6.2	28
49	Refined analysis of the <i>Campylobacter jejuni</i> iron-dependent/independent Fur- and PerR-transcriptomes. <i>BMC Genomics</i> , 2015 , 16, 498	4.5	26
48	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	15.1	26
47	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	5.6	26
46	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	3.7	24
45	Pilot-scale tertiary MBBR nitrification at 17°C: characterization of ammonia removal rate, solids settleability and biofilm characteristics. <i>Environmental Technology (United Kingdom)</i> , 2016 , 37, 2124-32	2.6	23
44	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	3.7	19
43	Variation on a theme: investigating the structural repertoires used by ferric uptake regulators to control gene expression. <i>BioMetals</i> , 2018 , 31, 681-704	3.4	18
42	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	3.2	17
41	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	2.9	16

40	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	23.4	16
39	Berberine and its structural analogs have differing effects on functional profiles of individual gut microbiomes. <i>Gut Microbes</i> , 2020 , 11, 1348-1361	8.8	15
38	Mucosal-luminal interface proteomics reveals biomarkers of pediatric inflammatory bowel disease-associated colitis. <i>American Journal of Gastroenterology</i> , 2018 , 113, 713-724	0.7	15
37	Widespread protein lysine acetylation in gut microbiome and its alterations in patients with Crohn's disease. <i>Nature Communications</i> , 2020 , 11, 4120	17.4	15
36	Independent of Birth Mode or Gestational Age, Very-Low-Birth-Weight Infants Fed Their Mothers' Milk Rapidly Develop Personalized Microbiotas Low in Bifidobacterium. <i>Journal of Nutrition</i> , 2018 , 148, 326-335	4.1	14
35	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	6.7	14
34	Stress Responses, Adaptation, and Virulence of Bacterial Pathogens During Host Gastrointestinal Colonization. <i>Microbiology Spectrum</i> , 2016 , 4,	8.9	14
33	Iron Metabolism, Transport, and Regulation 2014 , 591-610		13
32	The impact of probiotics and lactoferrin supplementation on piglet gastrointestinal microbial communities. <i>BioMetals</i> , 2019 , 32, 533-543	3.4	11
31	Functional insights into the interplay between DNA interaction and metal coordination in ferric uptake regulators. <i>Scientific Reports</i> , 2018 , 8, 7140	4.9	11
30	Children's perspectives on the benefits and burdens of research participation. <i>AJOB Empirical Bioethics</i> , 2018 , 9, 19-28	3	10
29	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	3.7	10
28	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	4.1	10
27	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	3.8	9
26	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	3	7
25	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	4.5	7
24	Post carbon removal nitrifying MBBR operation at high loading and exposure to starvation conditions. <i>Bioresource Technology</i> , 2017 , 239, 318-325	11	6
23	Cj1386, an atypical hemin-binding protein, mediates hemin trafficking to KatA in <i>Campylobacter jejuni</i> . <i>Journal of Bacteriology</i> , 2015 , 197, 1002-11	3.5	6

22	Crystal structure of Campylobacter jejuni peroxide regulator. <i>FEBS Letters</i> , 2018 , 592, 2351-2360	3.8	6
21	Resistant starch, microbiome, and precision modulation. <i>Gut Microbes</i> , 2021 , 13, 1926842	8.8	6
20	Binding of Phage-Encoded FlaGrab to Motile Flagella Inhibits Growth, Downregulates Energy Metabolism, and Requires Specific Flagellar Glycans. <i>Frontiers in Microbiology</i> , 2020 , 11, 397	5.7	5
19	NuA4 Lysine Acetyltransferase Complex Contributes to Phospholipid Homeostasis in. <i>G3: Genes, Genomes, Genetics</i> , 2017 , 7, 1799-1809	3.2	4
18	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	2	4
17	Using <i>Galleria mellonella</i> as an Infection Model for Campylobacter jejuni Pathogenesis. <i>Methods in Molecular Biology</i> , 2017 , 1512, 163-169	1.4	4
16	Virome Sequencing of the Human Intestinal Mucosal-Luminal Interface. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020 , 10, 582187	5.9	4
15	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	6.8	4
14	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	5.1	4
13	Tolerability and short-chains fatty acids production after resistant starch supplementation in humans: A systematic review of randomized controlled studies. <i>American Journal of Clinical Nutrition</i> , 2021 ,	7	4
12	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	2.8	3
11	Purification and characterization of Campylobacter jejuni ferric uptake regulator. <i>BioMetals</i> , 2019 , 32, 491-500	3.4	2
10	Evaluating live microbiota biobanking using an microbiome assay and metaproteomics.. <i>Gut Microbes</i> , 2022 , 14, 2035658	8.8	2
9	RapidAIM: A culture- and metaproteomics-based Rapid Assay of Individual Microbiome responses to drugs		2
8	Elevated colonic microbiota-associated paucimannosidic and truncated N-glycans in pediatric ulcerative colitis. <i>Journal of Proteomics</i> , 2021 , 249, 104369	3.9	2
7	Examining the Effects of an Anti-Salmonella Bacteriophage Preparation, BAFASAL, on Ex-Vivo Human Gut Microbiome Composition and Function Using a Multi-Omics Approach. <i>Viruses</i> , 2021 , 13,	6.2	1
6	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	4.1	0
5	Stress Responses, Adaptation, and Virulence of Bacterial Pathogens During Host Gastrointestinal Colonization 2016 , 385-411		

4	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	1.4
3	"The Rest of my Childhood was Lost": Canadian Children and Adolescents' Experiences Navigating Inflammatory Bowel Disease. <i>Qualitative Health Research</i> , 2021 , 10497323211046577	3.9
2	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	4
1	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	1.9