

Florian Chain

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.

53 papers	3,051 citations	23 h-index	55 g-index
55 ext. papers	4,038 ext. citations	5.4 avg, IF	4.96 L-index

#	Paper	IF	Citations
53	Identification of an anti-inflammatory protein from <i>Faecalibacterium prausnitzii</i> , a commensal bacterium deficient in Crohn's disease. <i>Gut</i> , 2016 , 65, 415-425	19.2	396
52	Beneficial effects on host energy metabolism of short-chain fatty acids and vitamins produced by commensal and probiotic bacteria. <i>Microbial Cell Factories</i> , 2017 , 16, 79	6.4	327
51	The protective role of silicon in the <i>Arabidopsis</i> -powdery mildew pathosystem. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 17554-9	11.5	243
50	Functional Characterization of Novel Strains Isolated from Healthy Volunteers: A Step Forward in the Use of as a Next-Generation Probiotic. <i>Frontiers in Microbiology</i> , 2017 , 8, 1226	5.7	191
49	The commensal bacterium <i>Faecalibacterium prausnitzii</i> is protective in DNBS-induced chronic moderate and severe colitis models. <i>Inflammatory Bowel Diseases</i> , 2014 , 20, 417-30	4.5	139
48	Identification of metabolic signatures linked to anti-inflammatory effects of <i>Faecalibacterium prausnitzii</i> . <i>MBio</i> , 2015 , 6,	7.8	128
47	<i>Faecalibacterium prausnitzii</i> prevents physiological damages in a chronic low-grade inflammation murine model. <i>BMC Microbiology</i> , 2015 , 15, 67	4.5	128
46	<i>Faecalibacterium prausnitzii</i> A2-165 has a high capacity to induce IL-10 in human and murine dendritic cells and modulates T cell responses. <i>Scientific Reports</i> , 2016 , 6, 18507	4.9	119
45	<i>Lactobacillus casei</i> BL23 regulates Treg and Th17 T-cell populations and reduces DMH-associated colorectal cancer. <i>Journal of Gastroenterology</i> , 2016 , 51, 862-73	6.9	112
44	Microbial Anti-Inflammatory Molecule (MAM) from <i>Shewanella</i> Shows a Protective Effect on DNBS and DSS-Induced Colitis Model in Mice through Inhibition of NF- κ B Pathway. <i>Frontiers in Microbiology</i> , 2017 , 8, 114	5.7	98
43	Probiotic Strain BL23 Prevents Colitis-Associated Colorectal Cancer. <i>Frontiers in Immunology</i> , 2017 , 8, 1553	8.4	97
42	<i>Lactobacillus rhamnosus</i> CNCM I-3690 and the commensal bacterium <i>Faecalibacterium prausnitzii</i> A2-165 exhibit similar protective effects to induced barrier hyper-permeability in mice. <i>Gut Microbes</i> , 2015 , 6, 1-9	8.8	95
41	A comprehensive transcriptomic analysis of the effect of silicon on wheat plants under control and pathogen stress conditions. <i>Molecular Plant-Microbe Interactions</i> , 2009 , 22, 1323-30	3.6	95
40	Identification of one novel candidate probiotic <i>Lactobacillus plantarum</i> strain active against influenza virus infection in mice by a large-scale screening. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 1491-9	4.8	78
39	Genetically engineered immunomodulatory <i>Streptococcus thermophilus</i> strains producing antioxidant enzymes exhibit enhanced anti-inflammatory activities. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 869-77	4.8	68
38	Lactic Acid Bacteria Isolated from Bovine Mammary Microbiota: Potential Allies against Bovine Mastitis. <i>PLoS ONE</i> , 2015 , 10, e0144831	3.7	62
37	Drying process strongly affects probiotics viability and functionalities. <i>Journal of Biotechnology</i> , 2015 , 214, 17-26	3.7	61

36	Effects in the use of a genetically engineered strain of <i>Lactococcus lactis</i> delivering in situ IL-10 as a therapy to treat low-grade colon inflammation. <i>Human Vaccines and Immunotherapeutics</i> , 2014 , 10, 1611-1621	4.4	53
35	The potential probiotic <i>Lactobacillus rhamnosus</i> CNCM I-3690 strain protects the intestinal barrier by stimulating both mucus production and cytoprotective response. <i>Scientific Reports</i> , 2019 , 9, 5398	4.9	50
34	Absorption of aqueous inorganic and organic silicon compounds by wheat and their effect on growth and powdery mildew control. <i>Environmental and Experimental Botany</i> , 2009 , 65, 155-161	5.9	37
33	<i>Bifidobacterium animalis</i> ssp. <i>lactis</i> CNCM-I2494 Restores Gut Barrier Permeability in Chronically Low-Grade Inflamed Mice. <i>Frontiers in Microbiology</i> , 2016 , 7, 608	5.7	34
32	New Insights into the Diversity of the Genus. <i>Frontiers in Microbiology</i> , 2017 , 8, 1790	5.7	30
31	Age-Related Changes in the Gut Microbiota Modify Brain Lipid Composition. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019 , 9, 444	5.9	24
30	Using murine colitis models to analyze probiotics-host interactions. <i>FEMS Microbiology Reviews</i> , 2017 , 41, S49-S70	15.1	23
29	A Cell-Penetrant Manganese Superoxide Dismutase (MnSOD) Mimic Is Able To Complement MnSOD and Exerts an Antiinflammatory Effect on Cellular and Animal Models of Inflammatory Bowel Diseases. <i>Inorganic Chemistry</i> , 2017 , 56, 2545-2555	5.1	22
28	Butyrate mediates anti-inflammatory effects of in intestinal epithelial cells through. <i>Gut Microbes</i> , 2020 , 12, 1-16	8.8	22
27	A Versatile New Model of Chemically Induced Chronic Colitis Using an Outbred Murine Strain. <i>Frontiers in Microbiology</i> , 2018 , 9, 565	5.7	21
26	Leaf and powdery mildew colonization by glycolipid-producing <i>Pseudozyma</i> species. <i>Fungal Ecology</i> , 2008 , 1, 69-77	4.1	21
25	Analysis of Accumulation Patterns of Barley yellow dwarf virus-PAV (BYDV-PAV) in Two Resistant Wheat Lines. <i>European Journal of Plant Pathology</i> , 2005 , 113, 343-355	2.1	19
24	Elucidating the Immune-Related Mechanisms by Which Probiotic Strain BL23 Displays Anti-tumoral Properties. <i>Frontiers in Microbiology</i> , 2018 , 9, 3281	5.7	19
23	A large scale in vitro screening of <i>Streptococcus thermophilus</i> strains revealed strains with a high anti-inflammatory potential. <i>LWT - Food Science and Technology</i> , 2016 , 70, 78-87	5.4	18
22	Protective effect of TSLP delivered at the gut mucosa level by recombinant lactic acid bacteria in DSS-induced colitis mouse model. <i>Microbial Cell Factories</i> , 2015 , 14, 176	6.4	17
21	Nutritional regulation and kinetics of flocculosin synthesis by <i>Pseudozyma flocculosa</i> . <i>Applied Microbiology and Biotechnology</i> , 2008 , 80, 307-15	5.7	17
20	Characterization of a Prophage-Free Derivative Strain of ssp. IL1403 Reveals the Importance of Prophages for Phenotypic Plasticity of the Host. <i>Frontiers in Microbiology</i> , 2018 , 9, 2032	5.7	17
19	Evaluation of the durability of the Barley yellow dwarf virus-resistant Zhong ZH and TC14 wheat lines. <i>European Journal of Plant Pathology</i> , 2006 , 117, 35-43	2.1	16

18	Contribution of plasmid-encoded peptidase S8 (PrtP) to adhesion and transit in the gut of <i>Lactococcus lactis</i> IBB477 strain. <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 5709-5721	5.7	15
17	A New Bifidobacteria Expression SysTem (BEST) to Produce and Deliver Interleukin-10 in. <i>Frontiers in Microbiology</i> , 2018 , 9, 3075	5.7	15
16	Opposing effect of <i>Lactobacillus</i> on in vitro <i>Klebsiella pneumoniae</i> in biofilm and in an in vivo intestinal colonisation model. <i>Beneficial Microbes</i> , 2018 , 9, 87-100	4.9	14
15	Effect of combining two genes for partial resistance to Barley yellow dwarf virus-PAV (BYDV-PAV) derived from <i>Thinopyrum intermedium</i> in wheat. <i>Plant Pathology</i> , 2009 , 58, 807-814	2.8	14
14	Anti-tumoral Effects of Recombinant Strain Secreting IL-17A Cytokine. <i>Frontiers in Microbiology</i> , 2018 , 9, 3355	5.7	13
13	Phosphatidylglycerols are induced by gut dysbiosis and inflammation, and favorably modulate adipose tissue remodeling in obesity. <i>FASEB Journal</i> , 2019 , 33, 4741-4754	0.9	13
12	Identification of genes potentially involved in the biocontrol activity of <i>Pseudozyma flocculosa</i> . <i>Phytopathology</i> , 2009 , 99, 1142-9	3.8	12
11	Field trial of serially passaged isolates of BYDV-PAV overcoming resistance derived from <i>Thinopyrum intermedium</i> in wheat. <i>Plant Breeding</i> , 2006 , 125, 211-216	2.4	9
10	A Putative Type V Pilus Contributes to <i>Bacteroides thetaiotaomicron</i> Biofilm Formation Capacity. <i>Journal of Bacteriology</i> , 2019 , 201,	3.5	8
9	Oral delivery of pancreatitis-associated protein by <i>Lactococcus lactis</i> displays protective effects in dinitro-benzenesulfonic-acid-induced colitis model and is able to modulate the composition of the microbiota. <i>Environmental Microbiology</i> , 2019 , 21, 4020-4031	5.2	8
8	Capsular Polysaccharide Cross-Regulation Modulates <i>Bacteroides thetaiotaomicron</i> Biofilm Formation. <i>MBio</i> , 2020 , 11,	7.8	6
7	The commensal <i>Escherichia coli</i> CEC15 reinforces intestinal defences in gnotobiotic mice and is protective in a chronic colitis mouse model. <i>Scientific Reports</i> , 2019 , 9, 11431	4.9	6
6	Proteomic analysis of the metabolic adaptation of the biocontrol agent <i>Pseudozyma flocculosa</i> leading to glycolipid production. <i>Proteome Science</i> , 2010 , 8, 7	2.6	6
5	The Keystone commensal bacterium <i>Christensenella minuta</i> DSM 22607 displays anti-inflammatory properties both in vitro and in vivo. <i>Scientific Reports</i> , 2021 , 11, 11494	4.9	5
4	The dual role of MAPK pathway in the regulation of intestinal barrier: the role of the commensal bacterium <i>Faecalibacterium prausnitzii</i> on this regulation. <i>Inflammatory Bowel Diseases</i> , 2014 , 20, E17-8	4.5	4
3	The Administration Matrix Modifies the Beneficial Properties of a Probiotic Mix of <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> BB-12 and <i>Lactobacillus acidophilus</i> LA-5. <i>Probiotics and Antimicrobial Proteins</i> , 2021 , 13, 484-494	5.5	2
2	Capsular polysaccharides cross-regulation modulates <i>Bacteroides thetaiotaomicron</i> biofilm formation		1
1	A single-stranded conformational polymorphism (SSCP)-derived quantitative variable to monitor the virulence of a Barley yellow dwarf virus-PAV (BYDV-PAV) isolate during adaptation to the TC14 resistant wheat line. <i>Molecular Plant Pathology</i> , 2010 , 11, 651-61	5.7	0

