

# Flaviano dos Santos Martins

## List of Publications by Citations

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83

papers

2,355

citations

28

h-index

47

g-index

89

ext. papers

2,925

ext. citations

4.9

avg, IF

4.73

L-index

#	Paper	IF	Citations
83	The role of probiotics and prebiotics in inducing gut immunity. <i>Frontiers in Immunology</i> , <b>2013</b> , 4, 445	8.4	146
82	A Role for Gut Microbiota and the Metabolite-Sensing Receptor GPR43 in a Murine Model of Gout. <i>Arthritis and Rheumatology</i> , <b>2015</b> , 67, 1646-56	9.5	137
81	Butyrate Protects Mice from Clostridium difficile-Induced Colitis through an HIF-1-Dependent Mechanism. <i>Cell Reports</i> , <b>2019</b> , 27, 750-761.e7	10.6	110
80	The central role of the gut microbiota in chronic inflammatory diseases. <i>Journal of Immunology Research</i> , <b>2014</b> , 2014, 689492	4.5	110
79	Skin wound healing is accelerated and scarless in the absence of commensal microbiota. <i>Journal of Immunology</i> , <b>2014</b> , 193, 5171-80	5.3	109
78	Malaria-induced NLRP12/NLRP3-dependent caspase-1 activation mediates inflammation and hypersensitivity to bacterial superinfection. <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1003885	7.6	104
77	Control of Klebsiella pneumoniae pulmonary infection and immunomodulation by oral treatment with the commensal probiotic Bifidobacterium longum 5(1A). <i>Microbes and Infection</i> , <b>2016</b> , 18, 180-9	9.3	81
76	Comparative study of Bifidobacterium animalis, Escherichia coli, Lactobacillus casei and Saccharomyces boulardii probiotic properties. <i>Archives of Microbiology</i> , <b>2009</b> , 191, 623-30	3	75
75	Dietary fiber and the short-chain fatty acid acetate promote resolution of neutrophilic inflammation in a model of gout in mice. <i>Journal of Leukocyte Biology</i> , <b>2017</b> , 101, 275-284	6.5	71
74	Interaction of Saccharomyces boulardii with Salmonella enterica serovar Typhimurium protects mice and modifies T84 cell response to the infection. <i>PLoS ONE</i> , <b>2010</b> , 5, e8925	3.7	65
73	Beneficial Effect of Synbiotic Supplementation on Hepatic Steatosis and Anthropometric Parameters, But Not on Gut Permeability in a Population with Nonalcoholic Steatohepatitis. <i>Nutrients</i> , <b>2016</b> , 8,	6.7	60
72	Evaluation of mucositis induced by irinotecan after microbial colonization in germ-free mice. <i>Microbiology (United Kingdom)</i> , <b>2015</b> , 161, 1950-1960	2.9	54
71	Saccharomyces cerevisiae strain 905 reduces the translocation of Salmonella enterica serotype Typhimurium and stimulates the immune system in gnotobiotic and conventional mice. <i>Journal of Medical Microbiology</i> , <b>2007</b> , 56, 352-359	3.2	53
70	Evaluation of Potential Probiotics Isolated from Human Milk and Colostrum. <i>Probiotics and Antimicrobial Proteins</i> , <b>2017</b> , 9, 371-379	5.5	51
69	L-arginine supplementation prevents increases in intestinal permeability and bacterial translocation in male Swiss mice subjected to physical exercise under environmental heat stress. <i>Journal of Nutrition</i> , <b>2014</b> , 144, 218-23	4.1	51
68	Probiotic Saccharomyces cerevisiae strains as biotherapeutic tools: is there room for improvement?. <i>Applied Microbiology and Biotechnology</i> , <b>2015</b> , 99, 6563-70	5.7	50
67	Inhibition of tissue inflammation and bacterial translocation as one of the protective mechanisms of Saccharomyces boulardii against Salmonella infection in mice. <i>Microbes and Infection</i> , <b>2013</b> , 15, 270-9	9.3	50

66	Saccharomyces cerevisiae strain UFMG 905 protects against bacterial translocation, preserves gut barrier integrity and stimulates the immune system in a murine intestinal obstruction model. <i>Archives of Microbiology</i> , <b>2010</b> , 192, 477-84	3	49
65	Protection against increased intestinal permeability and bacterial translocation induced by intestinal obstruction in mice treated with viable and heat-killed Saccharomyces boulardii. <i>European Journal of Nutrition</i> , <b>2011</b> , 50, 261-9	5.2	48
64	The Metabolic Sensor GPR43 Receptor Plays a Role in the Control of Infection in the Lung. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 142	8.4	45
63	Oral treatment with Saccharomyces cerevisiae strain UFMG 905 modulates immune responses and interferes with signal pathways involved in the activation of inflammation in a murine model of typhoid fever. <i>International Journal of Medical Microbiology</i> , <b>2011</b> , 301, 359-64	3.7	45
62	Selection of Lactobacillus strains as potential probiotics for vaginitis treatment. <i>Microbiology (United Kingdom)</i> , <b>2016</b> , 162, 1195-1207	2.9	43
61	Preventive rather than therapeutic treatment with high fiber diet attenuates clinical and inflammatory markers of acute and chronic DSS-induced colitis in mice. <i>European Journal of Nutrition</i> , <b>2017</b> , 56, 179-191		42
60	Escherichia coli strain Nissle 1917 ameliorates experimental colitis by modulating intestinal permeability, the inflammatory response and clinical signs in a faecal transplantation model. <i>Journal of Medical Microbiology</i> , <b>2016</b> , 65, 201-210	3.2	37
59	Dietary glutamine prevents the loss of intestinal barrier function and attenuates the increase in core body temperature induced by acute heat exposure. <i>British Journal of Nutrition</i> , <b>2014</b> , 112, 1601-10	3.6	31
58	Pretreatment with citrulline improves gut barrier after intestinal obstruction in mice. <i>Journal of Parenteral and Enteral Nutrition</i> , <b>2012</b> , 36, 69-76	4.2	31
57	Dietary approach in the treatment of nonalcoholic fatty liver disease. <i>World Journal of Hepatology</i> , <b>2015</b> , 7, 2522-34	3.4	29
56	Oral treatment with Bifidobacterium longum 51A reduced inflammation in a murine experimental model of gout. <i>Beneficial Microbes</i> , <b>2015</b> , 6, 799-806	4.9	28
55	Fermented whey dairy beverage offers protection against Salmonella enterica ssp. enterica serovar Typhimurium infection in mice. <i>Journal of Dairy Science</i> , <b>2019</b> , 102, 6756-6765	4	27
54	Saccharomyces cerevisiae UFMG A-905 treatment reduces intestinal damage in a murine model of irinotecan-induced mucositis. <i>Beneficial Microbes</i> , <b>2016</b> , 7, 549-57	4.9	25
53	Oral administration of Simbioflora <sup>®</sup> (synbiotic) attenuates intestinal damage in a mouse model of 5-fluorouracil-induced mucositis. <i>Beneficial Microbes</i> , <b>2018</b> , 9, 477-486	4.9	23
52	Pretreatment with Saccharomyces boulardii does not prevent the experimental mucositis in Swiss mice. <i>Journal of Negative Results in BioMedicine</i> , <b>2014</b> , 13, 6		23
51	Effect of Saccharomyces cerevisiae strain UFMG A-905 in experimental model of inflammatory bowel disease. <i>Beneficial Microbes</i> , <b>2015</b> , 6, 807-15	4.9	23
50	Evaluation of in vitro antagonism and of in vivo immune modulation and protection against pathogenic experimental challenge of two probiotic strains of Bifidobacterium animalis var. lactis. <i>Archives of Microbiology</i> , <b>2010</b> , 192, 995-1003	3	23
49	Conjugated linoleic acid prevents damage caused by intestinal mucositis induced by 5-fluorouracil in an experimental model. <i>Biomedicine and Pharmacotherapy</i> , <b>2018</b> , 103, 1567-1576	7.5	22

48	The role of L-arginine-nitric oxide pathway in bacterial translocation. <i>Amino Acids</i> , <b>2013</b> , 45, 1089-96	3.5	22
47	<i>Bifidobacterium longum</i> subsp. <i>infantis</i> BB-02 attenuates acute murine experimental model of inflammatory bowel disease. <i>Beneficial Microbes</i> , <b>2015</b> , 6, 277-86	4.9	21
46	Effects of yeast probiotic formulation on viability, revival and protection against infection with <i>Salmonella enterica</i> ssp. <i>enterica</i> serovar Typhimurium in mice. <i>Letters in Applied Microbiology</i> , <b>2009</b> , 49, 738-44	2.9	21
45	Treatment with Selemax <sup>®</sup> , a selenium-enriched yeast, ameliorates experimental arthritis in rats and mice. <i>British Journal of Nutrition</i> , <b>2012</b> , 108, 1829-38	3.6	19
44	The absence of microbiota delays the inflammatory response to <i>Cryptococcus gattii</i> . <i>International Journal of Medical Microbiology</i> , <b>2016</b> , 306, 187-95	3.7	19
43	Anti-inflammatory effect of two <i>Lactobacillus</i> strains during infection with <i>Gardnerella vaginalis</i> and <i>Candida albicans</i> in a HeLa cell culture model. <i>Microbiology (United Kingdom)</i> , <b>2018</b> , 164, 349-358	2.9	18
42	Effects of nitric oxide synthase inhibition on glutamine action in a bacterial translocation model. <i>British Journal of Nutrition</i> , <b>2014</b> , 111, 93-100	3.6	17
41	Protective effect of <i>Lactobacillus delbrueckii</i> subsp. <i>Lactis</i> CIDCA 133 in a model of 5-Fluorouracil-Induced intestinal mucositis. <i>Journal of Functional Foods</i> , <b>2019</b> , 53, 197-207	5.1	17
40	Physiological characterization of non- <i>Saccharomyces</i> yeasts from agro-industrial and environmental origins with possible probiotic function. <i>World Journal of Microbiology and Biotechnology</i> , <b>2009</b> , 25, 657-666	4.4	15
39	Oral administration of <i>Saccharomyces cerevisiae</i> UFMG A-905 prevents allergic asthma in mice. <i>Respirology</i> , <b>2017</b> , 22, 905-912	3.6	14
38	Treatment with selenium-enriched <i>Saccharomyces cerevisiae</i> UFMG A-905 partially ameliorates mucositis induced by 5-fluorouracil in mice. <i>Cancer Chemotherapy and Pharmacology</i> , <b>2019</b> , 84, 117-126	3.5	14
37	Intestinal toxicity evaluation of long-circulating and pH-sensitive liposomes loaded with cisplatin. <i>European Journal of Pharmaceutical Sciences</i> , <b>2017</b> , 106, 142-151	5.1	12
36	Evaluation of sodium selenite effects on the potential probiotic <i>Saccharomyces cerevisiae</i> UFMG A-905: A physiological and proteomic analysis. <i>Journal of Functional Foods</i> , <b>2015</b> , 17, 828-836	5.1	12
35	Treatment with 5 attenuates intestinal damage and inflammatory response in experimental colitis. <i>Beneficial Microbes</i> , <b>2020</b> , 11, 47-57	4.9	12
34	Effect of probiotic <i>Saccharomyces boulardii</i> in experimental giardiasis. <i>Beneficial Microbes</i> , <b>2018</b> , 9, 789-797	4.9	12
33	Supplementation with Increases the Maximal Oxygen Consumption and Maximal Aerobic Speed Attained by Rats Subjected to an Incremental-Speed Exercise. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	11
32	In vitro evaluation of antagonism, modulation of cytokines and extracellular matrix proteins by <i>Bifidobacterium</i> strains. <i>Letters in Applied Microbiology</i> , <b>2018</b> , 67, 497-505	2.9	9
31	Genetically engineered probiotic <i>Saccharomyces cerevisiae</i> strains mature human dendritic cells and stimulate Gag-specific memory CD8 T cells ex vivo. <i>Applied Microbiology and Biotechnology</i> , <b>2019</b> , 103, 5183-5192	5.7	8

30	Effect of the trehalose levels on the screening of yeast as probiotic by in vivo and in vitro assays. <i>Brazilian Journal of Microbiology</i> , <b>2008</b> , 39, 50-55	2.2	8
29	Enoxacin induces oxidative metabolism and mitigates obesity by regulating adipose tissue miRNA expression. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	8
28	Virus and microbiota relationships in humans and other mammals: An evolutionary view. <i>Human Microbiome Journal</i> , <b>2019</b> , 11, 100050	5.6	7
27	Host dysbiosis negatively impacts IL-9-producing T-cell differentiation and antitumour immunity. <i>British Journal of Cancer</i> , <b>2020</b> , 123, 534-541	8.7	7
26	Lipid droplet levels vary heterogeneously in response to simulated gastrointestinal stresses in different probiotic <i>Saccharomyces cerevisiae</i> strains. <i>Journal of Functional Foods</i> , <b>2016</b> , 21, 193-200	5.1	7
25	Prophylactic and therapeutic supplementation using fructo-oligosaccharide improves the intestinal homeostasis after mucositis induced by 5- fluorouracil. <i>Biomedicine and Pharmacotherapy</i> , <b>2021</b> , 133, 111012	7.5	7
24	Prophylactic <i>Bifidobacterium adolescentis</i> ATCC 15703 supplementation reduces partially allergic airway disease in Balb/c but not in C57BL/6 mice. <i>Beneficial Microbes</i> , <b>2018</b> , 9, 465-476	4.9	6
23	EVALUATION OF INTESTINAL INVASION IN GERM-FREE MICE CHALLENGED WITH ACID-ADAPTED AND NONACID-ADAPTED <i>SALMONELLA ENTERITIDIS</i> SE86 AND <i>SALMONELLA TYPHIMURIUM</i> ST99. <i>Journal of Food Safety</i> , <b>2012</b> , 32, 108-114	2	6
22	Effect of Conjugated Linoleic Acid-enriched Butter After 24 hours of Intestinal Mucositis Induction. <i>Nutrition and Cancer</i> , <b>2017</b> , 69, 168-175	2.8	5
21	Effect of UFMG A-905 in a murine model of food allergy. <i>Beneficial Microbes</i> , <b>2020</b> , 11, 255-268	4.9	4
20	Beneficial effects resulting from oral administration of Nissle 1917 on a chronic colitis model. <i>Beneficial Microbes</i> , <b>2020</b> , 11, 779-790	4.9	4
19	In Vitro and In Vivo Evaluation of the Probiotic Potential of Antarctic Yeasts. <i>Probiotics and Antimicrobial Proteins</i> , <b>2021</b> , 13, 1338-1354	5.5	4
18	A probiotic has differential effects on allergic airway inflammation in A/J and C57BL/6 mice and is correlated with the gut microbiome. <i>Microbiome</i> , <b>2021</b> , 9, 134	16.6	4
17	Membrane damage by lipid peroxidation retains the cadmium constraint and is not the primary cause of K <sup>+</sup> extrusion in yeast. <i>Annals of Microbiology</i> , <b>2016</b> , 66, 973-979	3.2	3
16	Microbiota is an essential element for mice to initiate a protective immunity against <i>Vaccinia</i> virus. <i>FEMS Microbiology Ecology</i> , <b>2016</b> , 92,	4.3	3
15	Antarctic Strain of <i>Rhodotorula mucilaginosa</i> UFMGCB 18,377 Attenuates Mucositis Induced by 5-Fluorouracil in Mice. <i>Probiotics and Antimicrobial Proteins</i> , <b>2021</b> , 1	5.5	3
14	The Role of ST2 Receptor in the Regulation of Oral Infection. <i>Pathogens</i> , <b>2020</b> , 9,	4.5	2
13	Evaluation of colonisation resistance in stool of human donors using ex vivo, in vitro and in vivo assays. <i>Beneficial Microbes</i> , <b>2017</b> , 8, 217-230	4.9	2

12	Isolation and Identification of Potential Probiotic Bacteria from Human Milk. <i>Probiotics and Antimicrobial Proteins</i> , <b>2021</b> , 1	5.5	2
11	Preventive oral supplementation with 5 alleviates oxazolone-induced allergic contact dermatitis-like skin inflammation in mice. <i>Beneficial Microbes</i> , <b>2021</b> , 12, 199-209	4.9	2
10	ABQ (Martius) Promotes Jejunal Tissue Regeneration by Enhancing Antioxidant Response in 5-Fluorouracil-Induced Mucositis. <i>Nutrition and Cancer</i> , <b>2021</b> , 73, 523-533	2.8	2
9	Comparative genomics and in silico gene evaluation involved in the probiotic potential of <i>Bifidobacterium longum</i> 5. <i>Gene</i> , <b>2021</b> , 795, 145781	3.8	2
8	Paraprobiotic <i>Lactobacillus rhamnosus</i> Protects Intestinal Damage in an Experimental Murine Model of Mucositis. <i>Probiotics and Antimicrobial Proteins</i> , <b>2021</b> , 1	5.5	2
7	<i>Kluyveromyces lactis</i> and <i>Torulaspora delbrueckii</i> : Probiotic characterization, anti-Salmonella effect, and impact on cheese quality. <i>LWT - Food Science and Technology</i> , <b>2021</b> , 151, 112240	5.4	2
6	Daily ingestion of the probiotic <i>Lactobacillus paracasei</i> ST11 decreases Vaccinia virus dissemination and lethality in a mouse model. <i>Beneficial Microbes</i> , <b>2017</b> , 8, 73-80	4.9	1
5	<i>Bifidobacterium longum</i> subsp. <i>longum</i> 5 attenuates intestinal injury against irinotecan-induced mucositis in mice.. <i>Life Sciences</i> , <b>2021</b> , 289, 120243	6.8	1
4	Effect of the trehalose levels on the screening of yeast as probiotic by in vivo and in vitro assays. <i>Brazilian Journal of Microbiology</i> , <b>2008</b> , 39, 50-5	2.2	1
3	<i>Saccharomyces boulardii</i> as therapeutic alternative in experimental giardiasis. <i>Journal of Applied Microbiology</i> , <b>2021</b> , 131, 460-469	4.7	1
2	NLRP6-associated host microbiota composition impacts in the intestinal barrier to systemic dissemination of <i>Brucella abortus</i> . <i>PLoS Neglected Tropical Diseases</i> , <b>2021</b> , 15, e0009171	4.8	1
1	<i>Bifidobacterium longum</i> subsp. <i>longum</i> 5 Attenuates Signs of Inflammation in a Murine Model of Food Allergy. <i>Probiotics and Antimicrobial Proteins</i> , <b>2021</b> , 1	5.5	0