Flaviano dos Santos Martins

List of Publications by Year
in descending order

86 papers	3,415 citations	136740 32 h-index	155451 55 g-index
89 all docs	89 docs citations	89 times ranked	4950 citing authors

#	Article	IF	Citations
1	Butyrate Protects Mice from Clostridium difficile-Induced Colitis through an HIF-1-Dependent Mechanism. Cell Reports, 2019, 27, 750-761.e7.	2.9	212
2	The Role of Probiotics and Prebiotics in Inducing Gut Immunity. Frontiers in Immunology, 2013, 4, 445.	2.2	197
3	A Role for Gut Microbiota and the Metaboliteâ€Sensing Receptor GPR43 in a Murine Model of Gout. Arthritis and Rheumatology, 2015, 67, 1646-1656.	2.9	192
4	The Central Role of the Gut Microbiota in Chronic Inflammatory Diseases. Journal of Immunology Research, 2014, 2014, 1-12.	0.9	158
5	Skin Wound Healing Is Accelerated and Scarless in the Absence of Commensal Microbiota. Journal of Immunology, 2014, 193, 5171-5180.	0.4	142
6	Malaria-Induced NLRP12/NLRP3-Dependent Caspase-1 Activation Mediates Inflammation and Hypersensitivity to Bacterial Superinfection. PLoS Pathogens, 2014, 10, e1003885.	2.1	134
7	Control of Klebsiella pneumoniae pulmonary infection and immunomodulation by oral treatment with the commensal probiotic Bifidobacterium longum 51A. Microbes and Infection, 2016, 18, 180-189.	1.0	111
8	Comparative study of Bifidobacterium animalis, Escherichia coli, Lactobacillus casei and Saccharomyces boulardii probiotic properties. Archives of Microbiology, 2009, 191, 623-630.	1.0	104
9	Dietary fiber and the short-chain fatty acid acetate promote resolution of neutrophilic inflammation in a model of gout in mice. Journal of Leukocyte Biology, 2017, 101, 275-284.	1.5	104
10	Beneficial Effect of Synbiotic Supplementation on Hepatic Steatosis and Anthropometric Parameters, But Not on Gut Permeability in a Population with Nonalcoholic Steatohepatitis. Nutrients, 2016, 8, 397.	1.7	85
11	Interaction of Saccharomyces boulardii with Salmonella enterica Serovar Typhimurium Protects Mice and Modifies T84 Cell Response to the Infection. PLoS ONE, 2010, 5, e8925.	1.1	82
12	Evaluation of Potential Probiotics Isolated from Human Milk and Colostrum. Probiotics and Antimicrobial Proteins, 2017, 9, 371-379.	1.9	79
13	Probiotic Saccharomyces cerevisiae strains as biotherapeutic tools: is there room for improvement?. Applied Microbiology and Biotechnology, 2015, 99, 6563-6570.	1.7	74
14	The Metabolic Sensor GPR43 Receptor Plays a Role in the Control of Klebsiella pneumoniae Infection in the Lung. Frontiers in Immunology, 2018, 9, 142.	2.2	72
15	Evaluation of mucositis induced by irinotecan after microbial colonization in germ-free mice. Microbiology (United Kingdom), 2015, 161, 1950-1960.	0.7	67
16	Selection of Lactobacillus strains as potential probiotics for vaginitis treatment. Microbiology (United Kingdom), 2016, 162, 1195-1207.	0.7	67
17	Protection against increased intestinal permeability and bacterial translocation induced by intestinal obstruction in mice treated with viable and heat-killed Saccharomyces boulardii. European Journal of Nutrition, 2011, 50, 261-269.	1.8	65
18	L-Arginine Supplementation Prevents Increases in Intestinal Permeability and Bacterial Translocation in Male Swiss Mice Subjected to Physical Exercise under Environmental Heat Stress. Journal of Nutrition, 2014, 144, 218-223.	1.3	64

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19	Inhibition of tissue inflammation and bacterial translocation as one of the protective mechanisms of Saccharomyces boulardii against Salmonella infection in mice. Microbes and Infection, 2013, 15, 270-279.	1.0	61
20	Saccharomyces cerevisiae strain 905 reduces the translocation of Salmonella enterica serotype Typhimurium and stimulates the immune system in gnotobiotic and conventional mice. Journal of Medical Microbiology, 2007, 56, 352-359.	0.7	60
21	Saccharomyces cerevisiae strain UFMG 905 protects against bacterial translocation, preserves gut barrier integrity and stimulates the immune system in a murine intestinal obstruction model. Archives of Microbiology, 2010, 192, 477-484.	1.0	59
22	Preventive rather than therapeutic treatment with high fiber diet attenuates clinical and inflammatory markers of acute and chronic DSS-induced colitis in mice. European Journal of Nutrition, 2017, 56, 179-191.	4.6	57
23	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. International Journal of Medical Microbiology, 2011, 301, 359-364.	1.5	53
24	Escherichia coli strain Nissle 1917 ameliorates experimental colitis by modulating intestinal permeability, the inflammatory response and clinical signs in a faecal transplantation model. Journal of Medical Microbiology, 2016, 65, 201-210.	0.7	46
25	Dietary glutamine prevents the loss of intestinal barrier function and attenuates the increase in core body temperature induced by acute heat exposure. British Journal of Nutrition, 2014, 112, 1601-1610.	1.2	44
26	Oral treatment with Bifidobacterium longum 51A reduced inflammation in a murine experimental model of gout. Beneficial Microbes, 2015, 6, 799-806.	1.0	39
27	Pretreatment With Citrulline Improves Gut Barrier After Intestinal Obstruction in Mice. Journal of Parenteral and Enteral Nutrition, 2012, 36, 69-76.	1.3	38
28	Saccharomyces cerevisiae UFMG A-905 treatment reduces intestinal damage in a murine model of irinotecan-induced mucositis. Beneficial Microbes, 2016, 7, 549-557.	1.0	37
29	Conjugated linoleic acid prevents damage caused by intestinal mucositis induced by 5-fluorouracil in an experimental model. Biomedicine and Pharmacotherapy, 2018, 103, 1567-1576.	2.5	37
30	Fermented whey dairy beverage offers protection against Salmonella enterica ssp. enterica serovar Typhimurium infection in mice. Journal of Dairy Science, 2019, 102, 6756-6765.	1.4	37
31	Protective effect of Lactobacillus delbrueckii subsp. Lactis CIDCA 133 in a model of 5 Fluorouracil-Induced intestinal mucositis. Journal of Functional Foods, 2019, 53, 197-207.	1.6	37
32	Bifidobacterium longum subsp. infantis BB-02 attenuates acute murine experimental model of inflammatory bowel disease. Beneficial Microbes, 2015, 6, 277-286.	1.0	36
33	Oral administration of SimbiofloraÂ® (synbiotic) attenuates intestinal damage in a mouse model of 5-fluorouracil-induced mucositis. Beneficial Microbes, 2018, 9, 477-486.	1.0	35
34	Pretreatment with Saccharomyces boulardii does not prevent the experimental mucositis in Swiss mice. Journal of Negative Results in BioMedicine, 2014, 13, 6.	1.4	34
35	Dietary approach in the treatment of nonalcoholic fatty liver disease. World Journal of Hepatology, 2015, 7, 2522.	0.8	34
36	Anti-inflammatory effect of two Lactobacillus strains during infection with Gardnerella vaginalis and Candida albicans in a HeLa cell culture model. Microbiology (United Kingdom), 2018, 164, 349-358.	0.7	33

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37	Effect of Saccharomyces cerevisiae strain UFMG A-905 in experimental model of inflammatory bowel disease. Beneficial Microbes, 2015, 6, 807-815.	1.0	32
38	The absence of microbiota delays the inflammatory response to Cryptococcus gattii. International Journal of Medical Microbiology, 2016, 306, 187-195.	1.5	28
39	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. Archives of Microbiology, 2010, 192, 995-1003.	1.0	27
40	Treatment with selenium-enriched Saccharomyces cerevisiae UFMG A-905 partially ameliorates mucositis induced by 5-fluorouracil in mice. Cancer Chemotherapy and Pharmacology, 2019, 84, 117-126.	1.1	26
41	Treatment with Selemax^{Â®}, a selenium-enriched yeast, ameliorates experimental arthritis in rats and mice. British Journal of Nutrition, 2012, 108, 1829-1838.	1.2	25
42	The role of l-arginine-nitric oxide pathway in bacterial translocation. Amino Acids, 2013, 45, 1089-1096.	1.2	24
43	Effects of yeast probiotic formulation on viability, revival and protection against infection withSalmonella entericassp.entericaserovar Typhimurium in mice. Letters in Applied Microbiology, 2009, 49, 738-744.	1.0	23
44	Oral administration of Saccharomyces cerevisiae<scp>UFMG</scp> Aâ€905 prevents allergic asthma in mice. Respirology, 2017, 22, 905-912.	1.3	22
45	Physiological characterization of non-Saccharomyces yeasts from agro-industrial and environmental origins with possible probiotic function. World Journal of Microbiology and Biotechnology, 2009, 25, 657-666.	1.7	21
46	Enoxacin induces oxidative metabolism and mitigates obesity by regulating adipose tissue miRNA expression. Science Advances, 2020, 6, .	4.7	21
47	Treatment with Bifidobacterium longum 51A attenuates intestinal damage and inflammatory response in experimental colitis. Beneficial Microbes, 2020, 11, 47-57.	1.0	21
48	Intestinal toxicity evaluation of long-circulating and pH-sensitive liposomes loaded with cisplatin. European Journal of Pharmaceutical Sciences, 2017, 106, 142-151.	1.9	20
49	Effects of nitric oxide synthase inhibition on glutamine action in a bacterial translocation model. British Journal of Nutrition, 2014, 111, 93-100.	1.2	19
50	Supplementation with Saccharomyces boulardii Increases the Maximal Oxygen Consumption and Maximal Aerobic Speed Attained by Rats Subjected to an Incremental-Speed Exercise. Nutrients, 2019, 11, 2352.	1.7	18
51	Prophylactic and therapeutic supplementation using fructo-oligosaccharide improves the intestinal homeostasis after mucositis induced by 5- fluorouracil. Biomedicine and Pharmacotherapy, 2021, 133, 111012.	2.5	18
52	Paraprobiotic Lacticaseibacillus rhamnosus Protects Intestinal Damage in an Experimental Murine Model of Mucositis. Probiotics and Antimicrobial Proteins, 2023, 15, 338-350.	1.9	17
53	Evaluation of sodium selenite effects on the potential probiotic Saccharomyces cerevisiae UFMG A-905: A physiological and proteomic analysis. Journal of Functional Foods, 2015, 17, 828-836.	1.6	16
54	Host dysbiosis negatively impacts IL-9-producing T-cell differentiation and antitumour immunity. British Journal of Cancer, 2020, 123, 534-541.	2.9	14

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55	A probiotic has differential effects on allergic airway inflammation in A/J and C57BL/6 mice and is correlated with the gut microbiome. Microbiome, 2021, 9, 134.	4.9	14
56	Bifidobacterium longum subsp. longum 51A attenuates intestinal injury against irinotecan-induced mucositis in mice. Life Sciences, 2022, 289, 120243.	2.0	14
57	Effect of probiotic Saccharomyces boulardii in experimental giardiasis. Beneficial Microbes, 2018, 9, 789-797.	1.0	13
58	Bifidobacterium longum subsp. longum 51A Attenuates Signs of Inflammation in a Murine Model of Food Allergy. Probiotics and Antimicrobial Proteins, 2023, 15, 63-73.	1.9	12
59	Effect of the trehalose levels on the screening of yeast as probiotic by in vivo and in vitro assays. Brazilian Journal of Microbiology, 2008, 39, 50-55.	0.8	11
60	Genetically engineered probiotic Saccharomyces cerevisiae strains mature human dendritic cells and stimulate Gag-specific memory CD8+ T cells ex vivo. Applied Microbiology and Biotechnology, 2019, 103, 5183-5192.	1.7	11
61	Effect of Conjugated Linoleic Acid-enriched Butter After 24 hours of Intestinal Mucositis Induction. Nutrition and Cancer, 2017, 69, 168-175.	0.9	10
62	In vitro evaluation of antagonism, modulation of cytokines and extracellular matrix proteins by Bifidobacterium strains. Letters in Applied Microbiology, 2018, 67, 497-505.	1.0	10
63	Beneficial effects resulting from oral administration of Escherichia coli Nissle 1917 on a chronic colitis model. Beneficial Microbes, 2020, 11, 779-790.	1.0	10
64	Virus and microbiota relationships in humans and other mammals: An evolutionary view. Human Microbiome Journal, 2019, 11, 100050.	3.8	9
65	Effect of Saccharomyces cerevisiae UFMG A-905 in a murine model of food allergy. Beneficial Microbes, 2020, 11, 255-268.	1.0	9
66	Lipid droplet levels vary heterogeneously in response to simulated gastrointestinal stresses in different probiotic Saccharomyces cerevisiae strains. Journal of Functional Foods, 2016, 21, 193-200.	1.6	8
67	AÃ§aÃ-(Euterpe oleracea Martius) Promotes Jejunal Tissue Regeneration by Enhancing Antioxidant Response in 5-Fluorouracil-Induced Mucositis. Nutrition and Cancer, 2021, 73, 523-533.	0.9	8
68	NLRP6-associated host microbiota composition impacts in the intestinal barrier to systemic dissemination of Brucella abortus. PLoS Neglected Tropical Diseases, 2021, 15, e0009171.	1.3	8
69	EVALUATION OF INTESTINAL INVASION IN GERMâ€FREE MICE CHALLENGED WITH ACIDâ€ADAPTED AND NONACIDâ€ADAPTED SALMONELLA ENTERITIDIS SE86 AND SALMONELLA TYPHIMURIUM ST99. Journal of Food Safety, 2012, 32, 108-114.	1.1	7
70	Prophylactic Bifidobacterium adolescentis ATTCC 15703 supplementation reduces partially allergic airway disease in Balb/c but not in C57BL/6 mice. Beneficial Microbes, 2018, 9, 465-476.	1.0	7
71	In Vitro and In Vivo Evaluation of the Probiotic Potential of Antarctic Yeasts. Probiotics and Antimicrobial Proteins, 2021, 13, 1338-1354.	1.9	7
72	Comparative genomics and in silico gene evaluation involved in the probiotic potential of Bifidobacterium longum 51A. Gene, 2021, 795, 145781.	1.0	7

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73	Antarctic Strain of Rhodotorula mucilaginosa UFMGCB 18,377 Attenuates Mucositis Induced by 5-Fluorouracil in Mice. Probiotics and Antimicrobial Proteins, 2022, 14, 486-500.	1.9	6
74	Isolation and Identification of Potential Probiotic Bacteria from Human Milk. Probiotics and Antimicrobial Proteins, 2023, 15, 491-501.	1.9	6
75	Microbiota is an essential element for mice to initiate a protective immunity againstVaccinia virus. FEMS Microbiology Ecology, 2016, 92, fiv147.	1.3	5
76	Preventive oral supplementation with Bifidobacterium longum 51A alleviates oxazolone-induced allergic contact dermatitis-like skin inflammation in mice. Beneficial Microbes, 2021, 12, 199-209.	1.0	5
77	Kluyveromyces lactis and Torulaspora delbrueckii: Probiotic characterization, anti-Salmonella effect, and impact on cheese quality. LWT - Food Science and Technology, 2021, 151, 112240.	2.5	5
78	Effect of the trehalose levels on the screening of yeast as probiotic by in vivo and in vitro assays. Brazilian Journal of Microbiology, 2008, 39, 50-5.	0.8	5
79	Comparative Genomics and In Silico Evaluation of Genes Related to the Probiotic Potential of Bifidobacterium breve 1101A. , 2022, 1, 161-182.		5
80	Daily ingestion of the probiotic Lactobacillus paracasei ST11 decreases Vaccinia virus dissemination and lethality in a mouse model. Beneficial Microbes, 2017, 8, 73-80.	1.0	4
81	Membrane damage by lipid peroxidation retains the cadmium constraint and is not the primary cause of K+ extrusion in yeast. Annals of Microbiology, 2016, 66, 973-979.	1.1	3
82	The Role of ST2 Receptor in the Regulation of Brucella abortus Oral Infection. Pathogens, 2020, 9, 328.	1.2	3
83	Fecal Microbiota Transplantation for Ulcerative Colitis: FoMenTing Change?. Digestive Diseases and Sciences, 2016, 61, 2154-2155.	1.1	2
84	Evaluation of colonisation resistance in stool of human donors using ex vivo, in vitro and in vivo assays. Beneficial Microbes, 2017, 8, 217-230.	1.0	2
85	Saccharomyces boulardii as therapeutic alternative in experimental giardiasis. Journal of Applied Microbiology, 2020, 131, 460-469.	1.4	1
86	Biofilm model on mice skin wounds. Acta Cirurgica Brasileira, 2022, 37, .	0.3	1