

Simone Guglielmetti

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110
papers

3,618
citations

34
h-index

57
g-index

123
ext. papers

4,672
ext. citations

5.6
avg, IF

5.36
L-index

#	Paper	IF	Citations
110	The immunomodulatory properties of probiotic microorganisms beyond their viability (ghost probiotics: proposal of paraprobiotic concept). <i>Genes and Nutrition</i> , 2011 , 6, 261-74	4.3	324
109	Six-week consumption of a wild blueberry powder drink increases bifidobacteria in the human gut. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 12815-20	5.7	195
108	Randomised clinical trial: Bifidobacterium bifidum MIMBb75 significantly alleviates irritable bowel syndrome and improves quality of life--a double-blind, placebo-controlled study. <i>Alimentary Pharmacology and Therapeutics</i> , 2011 , 33, 1123-32	6.1	175
107	Role of sortase-dependent pili of Bifidobacterium bifidum PRL2010 in modulating bacterium-host interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 11151-6	11.5	172
106	Systematic Review on Polyphenol Intake and Health Outcomes: Is there Sufficient Evidence to Define a Health-Promoting Polyphenol-Rich Dietary Pattern?. <i>Nutrients</i> , 2019 , 11,	6.7	135
105	Modulation of fecal Clostridiales bacteria and butyrate by probiotic intervention with Lactobacillus paracasei DG varies among healthy adults. <i>Journal of Nutrition</i> , 2014 , 144, 1787-96	4.1	127
104	Endogenous murine microbiota member Faecalibaculum rodentium and its human homologue protect from intestinal tumour growth. <i>Nature Microbiology</i> , 2020 , 5, 511-524	26.6	104
103	Therapeutic faecal microbiota transplantation controls intestinal inflammation through IL10 secretion by immune cells. <i>Nature Communications</i> , 2018 , 9, 5184	17.4	103
102	Implication of an outer surface lipoprotein in adhesion of Bifidobacterium bifidum to Caco-2 cells. <i>Applied and Environmental Microbiology</i> , 2008 , 74, 4695-702	4.8	93
101	Differential modulation of human intestinal bifidobacterium populations after consumption of a wild blueberry (Vaccinium angustifolium) drink. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 8134-40	5.7	82
100	S-layer protein mediates the stimulatory effect of Lactobacillus helveticus MIMLh5 on innate immunity. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 1221-31	4.8	78
99	A Novel Rhamnose-Rich Hetero-exopolysaccharide Isolated from Lactobacillus paracasei DG Activates THP-1 Human Monocytic Cells. <i>Applied and Environmental Microbiology</i> , 2017 , 83,	4.8	73
98	Bifidobacterium bifidum as an example of a specialized human gut commensal. <i>Frontiers in Microbiology</i> , 2014 , 5, 437	5.7	73
97	Modulation of Pulmonary Microbiota by Antibiotic or Probiotic Aerosol Therapy: A Strategy to Promote Immunosurveillance against Lung Metastases. <i>Cell Reports</i> , 2018 , 24, 3528-3538	10.6	67
96	Oral bacteria as potential probiotics for the pharyngeal mucosa. <i>Applied and Environmental Microbiology</i> , 2010 , 76, 3948-58	4.8	61
95	Immunomodulatory effect of a wild blueberry anthocyanin-rich extract in human Caco-2 intestinal cells. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 8346-51	5.7	58
94	Health-Promoting Properties of Lactobacillus helveticus. <i>Frontiers in Microbiology</i> , 2012 , 3, 392	5.7	58

93	Conditions affecting cell surface properties of human intestinal bifidobacteria. <i>Antonie Van Leeuwenhoek</i> , 2005 , 88, 207-19	2.1	56
92	Effect of CNCM I-1572 on symptoms, gut microbiota, short chain fatty acids, and immune activation in patients with irritable bowel syndrome: A pilot randomized clinical trial. <i>United European Gastroenterology Journal</i> , 2018 , 6, 604-613	5.3	53
91	T Follicular Helper Cells Promote a Beneficial Gut Ecosystem for Host Metabolic Homeostasis by Sensing Microbiota-Derived Extracellular ATP. <i>Cell Reports</i> , 2017 , 18, 2566-2575	10.6	51
90	Bifidobacterium bifidum PRL2010 modulates the host innate immune response. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 730-40	4.8	51
89	Bacterial cinnamoyl esterase activity screening for the production of a novel functional food product. <i>Applied and Environmental Microbiology</i> , 2008 , 74, 1284-8	4.8	48
88	16S-23S rRNA intergenic spacer region sequence variation in Streptococcus thermophilus and related dairy streptococci and development of a multiplex ITS-SSCP analysis for their identification. <i>Microbiology (United Kingdom)</i> , 2003 , 149, 807-813	2.9	46
87	Intestinal microbiota sustains inflammation and autoimmunity induced by hypomorphic RAG defects. <i>Journal of Experimental Medicine</i> , 2016 , 213, 355-75	16.6	45
86	Study of the adhesion of Bifidobacterium bifidum MIMBb75 to human intestinal cell lines. <i>Current Microbiology</i> , 2009 , 59, 167-72	2.4	42
85	New insights into the relationship between taste perception and oral microbiota composition. <i>Scientific Reports</i> , 2019 , 9, 3549	4.9	41
84	Evaluation of adhesion properties and antibacterial activities of the infant gut commensal Bifidobacterium bifidum PRL2010. <i>Anaerobe</i> , 2013 , 21, 9-17	2.8	41
83	Polyphenols and Intestinal Permeability: Rationale and Future Perspectives. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 1816-1829	5.7	41
82	Consumption of a Bifidobacterium bifidum Strain for 4 Weeks Modulates Dominant Intestinal Bacterial Taxa and Fecal Butyrate in Healthy Adults. <i>Applied and Environmental Microbiology</i> , 2016 , 82, 5850-9	4.8	38
81	Protective Effects of Lactoferrin against SARS-CoV-2 Infection In Vitro. <i>Nutrients</i> , 2021 , 13,	6.7	38
80	Unusual organization for lactose and galactose gene clusters in Lactobacillus helveticus. <i>Applied and Environmental Microbiology</i> , 2003 , 69, 3238-43	4.8	36
79	Fecal Clostridiales distribution and short-chain fatty acids reflect bowel habits in irritable bowel syndrome. <i>Environmental Microbiology</i> , 2018 , 20, 3201-3213	5.2	35
78	Aspartate biosynthesis is essential for the growth of Streptococcus thermophilus in milk, and aspartate availability modulates the level of urease activity. <i>Applied and Environmental Microbiology</i> , 2007 , 73, 5789-96	4.8	34
77	Exploring the Molecular Pathways Behind the Effects of Nutrients and Dietary Polyphenols on Gut Microbiota and Intestinal Permeability: A Perspective on the Potential of Metabolomics and Future Clinical Applications. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 1780-1789	5.7	34
76	Urease biogenesis in Streptococcus thermophilus. <i>Research in Microbiology</i> , 2005 , 156, 897-903	4	32

75	Virome-associated antibiotic-resistance genes in an experimental aquaculture facility. <i>FEMS Microbiology Ecology</i> , 2016 , 92,	4.3	30
74	Potential immunomodulatory activity of bovine casein hydrolysates produced after digestion with proteinases of lactic acid bacteria. <i>International Dairy Journal</i> , 2011 , 21, 763-769	3.5	30
73	A dairy bacterium displays in vitro probiotic properties for the pharyngeal mucosa by antagonizing group A streptococci and modulating the immune response. <i>Infection and Immunity</i> , 2010 , 78, 4734-43	3.7	30
72	BopA does not have a major role in the adhesion of Bifidobacterium bifidum to intestinal epithelial cells, extracellular matrix proteins, and mucus. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 6989-97	4.8	28
71	Construction, characterization and exemplificative application of bioluminescent Bifidobacterium longum biovar longum. <i>International Journal of Food Microbiology</i> , 2008 , 124, 285-90	5.8	27
70	Murein lytic enzyme TgaA of Bifidobacterium bifidum MIMBb75 modulates dendritic cell maturation through its cysteine- and histidine-dependent amidohydrolase/peptidase (CHAP) amidase domain. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 5170-7	4.8	26
69	Enzymatic hydrolysis of capsaicins for the production of vanillylamine using ECB deacylase from <i>Actinoplanes utahensis</i> . <i>Food Chemistry</i> , 2011 , 124, 1096-1098	8.5	26
68	Alkalizing reactions streamline cellular metabolism in acidogenic microorganisms. <i>PLoS ONE</i> , 2010 , 5, e15520	3.7	26
67	The relevance of carbon dioxide metabolism in <i>Streptococcus thermophilus</i> . <i>Microbiology (United Kingdom)</i> , 2009 , 155, 1953-1965	2.9	25
66	In vitro functional and immunomodulatory properties of the <i>Lactobacillus helveticus</i> MIMLh5- <i>Streptococcus salivarius</i> ST3 association that are relevant to the development of a pharyngeal probiotic product. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 4209-16	4.8	25
65	Evidence of a bacterial core in the stored products pest <i>Plodia interpunctella</i> : the influence of different diets. <i>Environmental Microbiology</i> , 2016 , 18, 4961-4973	5.2	24
64	Molecular characterization of Bifidobacterium longum biovar longum NAL8 plasmids and construction of a novel replicon screening system. <i>Applied Microbiology and Biotechnology</i> , 2007 , 74, 1053-61	5.7	24
63	Heme-oxygenase-1 Production by Intestinal CX3CR1 Macrophages Helps to Resolve Inflammation and Prevents Carcinogenesis. <i>Cancer Research</i> , 2017 , 77, 4472-4485	10.1	22
62	Impact of Bifidobacterium bifidum MIMBb75 on mouse intestinal microorganisms. <i>FEMS Microbiology Ecology</i> , 2013 , 85, 369-75	4.3	22
61	Effect of a polyphenol-rich dietary pattern on intestinal permeability and gut and blood microbiomics in older subjects: study protocol of the MaPLE randomised controlled trial. <i>BMC Geriatrics</i> , 2020 , 20, 77	4.1	21
60	A polyphenol-rich dietary pattern improves intestinal permeability, evaluated as serum zonulin levels, in older subjects: The MaPLE randomised controlled trial. <i>Clinical Nutrition</i> , 2021 , 40, 3006-3018	5.9	20
59	An efficient and reproducible method for transformation of genetically recalcitrant bifidobacteria. <i>FEMS Microbiology Letters</i> , 2012 , 333, 146-52	2.9	19
58	The vaginal isolate <i>Lactobacillus paracasei</i> LPC-S01 (DSM 26760) is suitable for oral administration. <i>Frontiers in Microbiology</i> , 2015 , 6, 952	5.7	19

57	Biotransformation strategy to reduce allergens in propolis. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 4654-8	4.8	19
56	<i>Streptococcus thermophilus</i> urease activity boosts <i>Lactobacillus delbrueckii</i> subsp. <i>bulgaricus</i> homolactic fermentation. <i>International Journal of Food Microbiology</i> , 2017 , 247, 55-64	5.8	18
55	Increasing the heme-dependent respiratory efficiency of <i>Lactococcus lactis</i> by inhibition of lactate dehydrogenase. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 376-80	4.8	18
54	Small rolling circle plasmids in <i>Bacillus subtilis</i> and related species: organization, distribution, and their possible role in host physiology. <i>Plasmid</i> , 2007 , 57, 245-64	3.3	18
53	Urinary TMAO Levels Are Associated with the Taxonomic Composition of the Gut Microbiota and with the Choline TMA-Lyase Gene () Harbored by Enterobacteriaceae. <i>Nutrients</i> , 2019 , 12,	6.7	16
52	The Neglected Microbial Components of Commercial Probiotic Formulations. <i>Microorganisms</i> , 2020 , 8,	4.9	16
51	Effect of Cell Concentration on the Persistence in the Human Intestine of Four Probiotic Strains Administered through a Multispecies Formulation. <i>Nutrients</i> , 2019 , 11,	6.7	15
50	Quantitative Recovery of Viable CNCM I-1572 (<i>L. casei</i> DG) After Gastrointestinal Passage in Healthy Adults. <i>Frontiers in Microbiology</i> , 2018 , 9, 1720	5.7	15
49	Increased Intestinal Permeability in Older Subjects Impacts the Beneficial Effects of Dietary Polyphenols by Modulating Their Bioavailability. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 12476-12484	5.7	15
48	Postbiotics - when simplification fails to clarify. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2021 , 18, 825-826	24.2	15
47	Enrichment of intestinal <i>Lactobacillus</i> by enhanced secretory IgA coating alters glucose homeostasis in P2rx7 mice. <i>Scientific Reports</i> , 2019 , 9, 9315	4.9	14
46	<i>Luteibacter rhizovicius</i> MIMR1 promotes root development in barley (<i>Hordeum vulgare</i> L.) under laboratory conditions. <i>World Journal of Microbiology and Biotechnology</i> , 2013 , 29, 2025-32	4.4	14
45	Methodological issues in the study of intestinal microbiota in irritable bowel syndrome. <i>World Journal of Gastroenterology</i> , 2014 , 20, 8821-36	5.6	14
44	Evidence of dysbiosis in the intestinal microbial ecosystem of children and adolescents with primary hyperlipidemia and the potential role of regular hazelnut intake. <i>FEMS Microbiology Ecology</i> , 2018 , 94,	4.3	13
43	Characterization of tetA-like gene encoding for a major facilitator superfamily efflux pump in <i>Streptococcus thermophilus</i> . <i>FEMS Microbiology Letters</i> , 2014 , 355, 61-70	2.9	13
42	Mobilome and genetic modification of bifidobacteria. <i>Beneficial Microbes</i> , 2013 , 4, 143-66	4.9	13
41	Gut Microbiota Condition the Therapeutic Efficacy of Trastuzumab in HER2-Positive Breast Cancer. <i>Cancer Research</i> , 2021 , 81, 2195-2206	10.1	12
40	TgaA, a VirB1-like component belonging to a putative type IV secretion system of <i>Bifidobacterium bifidum</i> MIMBb75. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 5161-9	4.8	11

39	Short-term daily intake of 6 billion live probiotic cells can be insufficient in healthy adults to modulate the intestinal bifidobacteria and lactobacilli. <i>Journal of Functional Foods</i> , 2014 , 6, 482-491	5.1	11
38	Time- and strain-specific downregulation of intestinal EPAS1 via miR-148a by Bifidobacterium bifidum. <i>Molecular Nutrition and Food Research</i> , 2017 , 61, 1600596	5.9	11
37	Effect of oral consumption of capsules containing Lactobacillus paracasei LPC-S01 on the vaginal microbiota of healthy adult women: a randomized, placebo-controlled, double-blind crossover study. <i>FEMS Microbiology Ecology</i> , 2020 , 96,	4.3	9
36	Isolation and molecular characterization of lactobacilli from traditional fermented Dahi produced at different altitudes in Nepal. <i>Dairy Science and Technology</i> , 2014 , 94, 397-408		8
35	Complete sequence and structural organization of pFL5 and pFL7, two cryptic plasmids from Bacillus licheniformis. <i>Plasmid</i> , 2004 , 51, 192-202	3.3	8
34	Cutaneous barrier leakage and gut inflammation drive skin disease in Omenn syndrome. <i>Journal of Allergy and Clinical Immunology</i> , 2020 , 146, 1165-1179.e11	11.5	8
33	Melting curve analysis of a groEL PCR fragment for the rapid genotyping of strains belonging to the Lactobacillus casei group of species. <i>Microbiological Research</i> , 2015 , 173, 50-8	5.3	7
32	Bioluminescence-based identification of nisin producers - a rapid and simple screening method for nisinogenic bacteria in food samples. <i>International Journal of Food Microbiology</i> , 2012 , 158, 126-32	5.8	7
31	Biocide susceptibility in bifidobacteria of human origin. <i>Journal of Global Antimicrobial Resistance</i> , 2013 , 1, 97-101	3.4	7
30	Carbamoylphosphate synthetase activity is essential for the optimal growth of Streptococcus thermophilus in milk. <i>Journal of Applied Microbiology</i> , 2009 , 107, 348-54	4.7	7
29	Generation and comparison of bioluminescent and fluorescent Bacillus licheniformis. <i>Current Microbiology</i> , 2008 , 57, 245-50	2.4	7
28	Survival of L. casei DG (Lactobacillus paracasei CNCMI1572) in the gastrointestinal tract of a healthy paediatric population. <i>European Journal of Nutrition</i> , 2019 , 58, 3161-3170	5.2	7
27	In vitro assessment of the ability of probiotics, blueberry and food carbohydrates to prevent S. pyogenes adhesion on pharyngeal epithelium and modulate immune responses. <i>Food and Function</i> , 2017 , 8, 3601-3609	6.1	6
26	Complete nucleotide sequence of pGS18, a 62.8-kb plasmid from Geobacillus stearothermophilus strain 18. <i>Extremophiles</i> , 2008 , 12, 415-29	3	6
25	Probiotics Modulate Mouse Gut Microbiota and Influence Intestinal Immune and Serotonergic Gene Expression in a Site-Specific Fashion. <i>Frontiers in Microbiology</i> , 2021 , 12, 706135	5.7	6
24	rBet v 1 immunotherapy of sensitized mice with Streptococcus thermophilus as vehicle and adjuvant. <i>Human Vaccines and Immunotherapeutics</i> , 2014 , 10, 1228-37	4.4	5
23	Estimated Intakes of Nutrients and Polyphenols in Participants Completing the MaPLE Randomised Controlled Trial and Its Relevance for the Future Development of Dietary Guidelines for the Older Subjects. <i>Nutrients</i> , 2020 , 12,	6.7	5
22	Bacterial DNAemia is associated with serum zonulin levels in older subjects. <i>Scientific Reports</i> , 2021 , 11, 11054	4.9	5

21	Impact of a Multistrain Probiotic Formulation with High Bifidobacterial Content on the Fecal Bacterial Community and Short-Chain Fatty Acid Levels of Healthy Adults. <i>Microorganisms</i> , 2020 , 8,	4.9	4
20	Crosstalk among intestinal barrier, gut microbiota and serum metabolome after a polyphenol-rich diet in older subjects with "leaky gut": The MaPLE trial. <i>Clinical Nutrition</i> , 2021 , 40, 5288-5297	5.9	4
19	Genetic relationship among <i>Bacillus licheniformis</i> rolling-circle-replicating plasmids and complete nucleotide sequence of pBL63.1, an atypical replicon. <i>Plasmid</i> , 2005 , 54, 93-103	3.3	3
18	O-requiring molecular reporters of gene expression for anaerobic microorganisms. <i>Biosensors and Bioelectronics</i> , 2019 , 123, 1-6	11.8	3
17	Discriminatory and cooperative effects within the mouse gut microbiota in response to flaxseed and its oil and lignan components. <i>Journal of Nutritional Biochemistry</i> , 2021 , 98, 108818	6.3	3
16	<i>Lactobacillus helveticus</i> MIMLh5-specific antibodies for detection of S-layer protein in Grana Padano protected-designation-of-origin cheese. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 694-703	4.8	2
15	GPR120 prevents colorectal adenocarcinoma progression by sustaining the mucosal barrier integrity.. <i>Scientific Reports</i> , 2022 , 12, 381	4.9	2
14	DG enhances the lactoferrin anti-SARS-CoV-2 response in Caco-2 cells. <i>Gut Microbes</i> , 2021 , 13, 1961970	8.8	2
13	Role of a Polyphenol-Rich Dietary Pattern in the Modulation of Intestinal Permeability in Older Subjects: The MaPLE Study. <i>Proceedings (mdpi)</i> , 2019 , 11, 8	0.3	1
12	Surface Layer of MIMLh5 Promotes Endocytosis by Dendritic Cells. <i>Applied and Environmental Microbiology</i> , 2019 , 85,	4.8	1
11	Intestinal permeability modulation through a polyphenol-rich dietary pattern in older subjects: MaPLE project outcomes and perspectives. <i>Proceedings of the Nutrition Society</i> , 2020 , 79,	2.9	1
10	Reply to Conlon et al. <i>Journal of Nutrition</i> , 2015 , 145, 1031-2	4.1	1
9	Identification and in silico characterisation of putative conjugative transfer genes on <i>Geobacillus stearothermophilus</i> plasmids. <i>Annals of Microbiology</i> , 2007 , 57, 407-414	3.2	1
8	Association between Food Intake, Clinical and Metabolic Markers and DNA Damage in Older Subjects. <i>Antioxidants</i> , 2021 , 10,	7.1	1
7	Data on cecal and fecal microbiota and predicted metagenomes profiles of female mice receiving whole flaxseed or its oil and secoisolariciresinol diglucoside components. <i>Data in Brief</i> , 2021 , 38, 107409 ^{1,2}	1.2	1
6	Higher bacterial DNAemia can affect the impact of a polyphenol-rich dietary pattern on biomarkers of intestinal permeability and cardiovascular risk in older subjects. <i>European Journal of Nutrition</i> , 2021 , 1	5.2	0
5	Co-administration of vitamin D3 and DG increase 25-hydroxyvitamin D serum levels in mice. <i>Annals of Microbiology</i> , 2021 , 71, 42	3.2	0
4	A polyphenol-rich diet increases the gut microbiota metabolite indole 3-propionic acid in older adults with preserved kidney function.. <i>Molecular Nutrition and Food Research</i> , 2022 , e2100349	5.9	0

- 3 Bifidobacterium bifidum MIMBb75 in irritable bowel syndrome: authors' reply. *Alimentary Pharmacology and Therapeutics*, **2011**, 34, 101-102 6.1
- 2 Homologies among three *Bacillus licheniformis* plasmids and molecular characterization of their replication module. *Microbiological Research*, **2004**, 159, 211-7 5.3
- 1 Combination of different probiotics and berry-derived (poly)phenols can modulate immune response in dendritic cells. *Journal of Functional Foods*, **2022**, 94, 105121 5.1