Simone Guglielmetti

List of Publications by Year in Descending Order

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	GPR120 prevents colorectal adenocarcinoma progression by sustaining the mucosal barrier integrity.. *Scientific Reports*, **2022**, 12, 381	4.9	2
109	A polyphenol-rich diet increases the gut microbiota metabolite indole 3-propionic acid in older adults with preserved kidney function.. *Molecular Nutrition and Food Research*, **2022**, e2100349	5.9	0
108	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	
107	Higher bacterial DNAemia can affect the impact of a polyphenol-rich dietary pattern on biomarkers of intestinal permeability and cardiovascular risk in older subjects. *European Journal of Nutrition*, **2021**, 1	5.2	0
106	Co-administration of vitamin D3 and DG increase 25-hydroxyvitamin D serum levels in mice. *Annals of Microbiology*, **2021**, 71, 42	3.2	0
105	A polyphenol-rich dietary pattern improves intestinal permeability, evaluated as serum zonulin levels, in older subjects: The MaPLE randomised controlled trial. *Clinical Nutrition*, **2021**, 40, 3006-3018	5.9	20
104	Association between Food Intake, Clinical and Metabolic Markers and DNA Damage in Older Subjects. *Antioxidants*, **2021**, 10,	7.1	1
103	Bacterial DNAemia is associated with serum zonulin levels in older subjects. *Scientific Reports*, **2021**, 11, 11054	4.9	5
102	Protective Effects of Lactoferrin against SARS-CoV-2 Infection In Vitro. *Nutrients*, **2021**, 13,	6.7	38
101	Gut Microbiota Condition the Therapeutic Efficacy of Trastuzumab in HER2-Positive Breast Cancer. *Cancer Research*, **2021**, 81, 2195-2206	10.1	12
100	Postbiotics - when simplification fails to clarify. *Nature Reviews Gastroenterology and Hepatology*, **2021**, 18, 825-826	24.2	15
99	Probiotics Modulate Mouse Gut Microbiota and Influence Intestinal Immune and Serotonergic Gene Expression in a Site-Specific Fashion. *Frontiers in Microbiology*, **2021**, 12, 706135	5.7	6
98	Crosstalk among intestinal barrier, gut microbiota and serum metabolome after a polyphenol-rich diet in older subjects with "leaky gut": The MaPLE trial. *Clinical Nutrition*, **2021**, 40, 5288-5297	5.9	4
97	Data on cecal and fecal microbiota and predicted metagenomes profiles of female mice receiving whole flaxseed or its oil and secoisolariciresinol diglucoside components. *Data in Brief*, **2021**, 38, 107409	1.2	1
96	Discriminatory and cooperative effects within the mouse gut microbiota in response to flaxseed and its oil and lignan components. *Journal of Nutritional Biochemistry*, **2021**, 98, 108818	6.3	3
95	DG enhances the lactoferrin anti-SARS-CoV-2 response in Caco-2 cells. *Gut Microbes*, **2021**, 13, 1961970	8.8	2
94	Intestinal permeability modulation through a polyphenol-rich dietary pattern in older subjects: MaPLE project outcomes and perspectives. *Proceedings of the Nutrition Society*, **2020**, 79,	2.9	1

93	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. *FEMS Microbiology Ecology*, **2020**, 96,	4.3	9
92	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. *BMC Geriatrics*, **2020**, 20, 77	4.1	21
91	Endogenous murine microbiota member Faecalibaculum rodentium and its human homologue protect from intestinal tumour growth. *Nature Microbiology*, **2020**, 5, 511-524	26.6	104
90	Increased Intestinal Permeability in Older Subjects Impacts the Beneficial Effects of Dietary Polyphenols by Modulating Their Bioavailability. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 12476-12484	5.7	15
89	The Neglected Microbial Components of Commercial Probiotic Formulations. *Microorganisms*, **2020**, 8,	4.9	16
88	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. *Nutrients*, **2020**, 12,	6.7	5
87	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. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 1780-1789	5.7	34
86	Polyphenols and Intestinal Permeability: Rationale and Future Perspectives. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 1816-1829	5.7	41
85	Cutaneous barrier leakage and gut inflammation drive skin disease in Omenn syndrome. *Journal of Allergy and Clinical Immunology*, **2020**, 146, 1165-1179.e11	11.5	8
84	Impact of a Multistrain Probiotic Formulation with High Bifidobacterial Content on the Fecal Bacterial Community and Short-Chain Fatty Acid Levels of Healthy Adults. *Microorganisms*, **2020**, 8,	4.9	4
83	Systematic Review on Polyphenol Intake and Health Outcomes: Is there Sufficient Evidence to Define a Health-Promoting Polyphenol-Rich Dietary Pattern?. *Nutrients*, **2019**, 11,	6.7	135
82	Role of a Polyphenol-Rich Dietary Pattern in the Modulation of Intestinal Permeability in Older Subjects: The MaPLE Study. *Proceedings (mdpi)*, **2019**, 11, 8	0.3	1
81	New insights into the relationship between taste perception and oral microbiota composition. *Scientific Reports*, **2019**, 9, 3549	4.9	41
80	Surface Layer of MIMLh5 Promotes Endocytosis by Dendritic Cells. *Applied and Environmental Microbiology*, **2019**, 85,	4.8	1
79	Effect of Cell Concentration on the Persistence in the Human Intestine of Four Probiotic Strains Administered through a Multispecies Formulation. *Nutrients*, **2019**, 11,	6.7	15
78	Enrichment of intestinal Lactobacillus by enhanced secretory IgA coating alters glucose homeostasis in P2rx7 mice. *Scientific Reports*, **2019**, 9, 9315	4.9	14
77	Urinary TMAO Levels Are Associated with the Taxonomic Composition of the Gut Microbiota and with the Choline TMA-Lyase Gene () Harbored by Enterobacteriaceae. *Nutrients*, **2019**, 12,	6.7	16
76	Survival of L. casei DG (Lactobacillus paracasei CNCMI1572) in the gastrointestinal tract of a healthy paediatric population. *European Journal of Nutrition*, **2019**, 58, 3161-3170	5.2	7

75	O-requiring molecular reporters of gene expression for anaerobic microorganisms. *Biosensors and Bioelectronics*, **2019**, 123, 1-6	11.8	3
74	Evidence of dysbiosis in the intestinal microbial ecosystem of children and adolescents with primary hyperlipidemia and the potential role of regular hazelnut intake. *FEMS Microbiology Ecology*, **2018**, 94,	4.3	13
73	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. *United European Gastroenterology Journal*, **2018**, 6, 604-613	5.3	53
72	Fecal Clostridiales distribution and short-chain fatty acids reflect bowel habits in irritable bowel syndrome. *Environmental Microbiology*, **2018**, 20, 3201-3213	5.2	35
71	Quantitative Recovery of Viable CNCM I-1572 (L. casei DG) After Gastrointestinal Passage in Healthy Adults. *Frontiers in Microbiology*, **2018**, 9, 1720	5.7	15
70	Therapeutic faecal microbiota transplantation controls intestinal inflammation through IL10 secretion by immune cells. *Nature Communications*, **2018**, 9, 5184	17.4	103
69	Modulation of Pulmonary Microbiota by Antibiotic or Probiotic Aerosol Therapy: A Strategy to Promote Immunosurveillance against Lung Metastases. *Cell Reports*, **2018**, 24, 3528-3538	10.6	67
68	Streptococcus thermophilus urease activity boosts Lactobacillus delbrueckii subsp. bulgaricus homolactic fermentation. *International Journal of Food Microbiology*, **2017**, 247, 55-64	5.8	18
67	A Novel Rhamnose-Rich Hetero-exopolysaccharide Isolated from Lactobacillus paracasei DG Activates THP-1 Human Monocytic Cells. *Applied and Environmental Microbiology*, **2017**, 83,	4.8	73
66	Heme-oxygenase-1 Production by Intestinal CX3CR1 Macrophages Helps to Resolve Inflammation and Prevents Carcinogenesis. *Cancer Research*, **2017**, 77, 4472-4485	10.1	22
65	T Follicular Helper Cells Promote a Beneficial Gut Ecosystem for Host Metabolic Homeostasis by Sensing Microbiota-Derived Extracellular ATP. *Cell Reports*, **2017**, 18, 2566-2575	10.6	51
64	In vitro assessment of the ability of probiotics, blueberry and food carbohydrates to prevent S. pyogenes adhesion on pharyngeal epithelium and modulate immune responses. *Food and Function*, **2017**, 8, 3601-3609	6.1	6
63	Time- and strain-specific downregulation of intestinal EPAS1 via miR-148a by Bifidobacterium bifidum. *Molecular Nutrition and Food Research*, **2017**, 61, 1600596	5.9	11
62	Consumption of a Bifidobacterium bifidum Strain for 4 Weeks Modulates Dominant Intestinal Bacterial Taxa and Fecal Butyrate in Healthy Adults. *Applied and Environmental Microbiology*, **2016**, 82, 5850-9	4.8	38
61	Evidence of a bacterial core in the stored products pest Plodia interpunctella: the influence of different diets. *Environmental Microbiology*, **2016**, 18, 4961-4973	5.2	24
60	Intestinal microbiota sustains inflammation and autoimmunity induced by hypomorphic RAG defects. *Journal of Experimental Medicine*, **2016**, 213, 355-75	16.6	45
59	Virome-associated antibiotic-resistance genes in an experimental aquaculture facility. *FEMS Microbiology Ecology*, **2016**, 92,	4.3	30
58	Melting curve analysis of a groEL PCR fragment for the rapid genotyping of strains belonging to the Lactobacillus casei group of species. *Microbiological Research*, **2015**, 173, 50-8	5.3	7

57	Reply to Conlon et al. *Journal of Nutrition*, **2015**, 145, 1031-2	4.1	1
56	The vaginal isolate Lactobacillus paracasei LPC-S01 (DSM 26760) is suitable for oral administration. *Frontiers in Microbiology*, **2015**, 6, 952	5.7	19
55	Bifidobacterium bifidum PRL2010 modulates the host innate immune response. *Applied and Environmental Microbiology*, **2014**, 80, 730-40	4.8	51
54	Isolation and molecular characterization of lactobacilli from traditional fermented Dahi produced at different altitudes in Nepal. *Dairy Science and Technology*, **2014**, 94, 397-408		8
53	Lactobacillus helveticus MIMLh5-specific antibodies for detection of S-layer protein in Grana Padano protected-designation-of-origin cheese. *Applied and Environmental Microbiology*, **2014**, 80, 694-703	4.8	2
52	Immunomodulatory effect of a wild blueberry anthocyanin-rich extract in human Caco-2 intestinal cells. *Journal of Agricultural and Food Chemistry*, **2014**, 62, 8346-51	5.7	58
51	Characterization of tetA-like gene encoding for a major facilitator superfamily efflux pump in Streptococcus thermophilus. *FEMS Microbiology Letters*, **2014**, 355, 61-70	2.9	13
50	TgaA, a VirB1-like component belonging to a putative type IV secretion system of Bifidobacterium bifidum MIMBb75. *Applied and Environmental Microbiology*, **2014**, 80, 5161-9	4.8	11
49	Murein lytic enzyme TgaA of Bifidobacterium bifidum MIMBb75 modulates dendritic cell maturation through its cysteine- and histidine-dependent amidohydrolase/peptidase (CHAP) amidase domain. *Applied and Environmental Microbiology*, **2014**, 80, 5170-7	4.8	26
48	Short-term daily intake of 6 billion live probiotic cells can be insufficient in healthy adults to modulate the intestinal bifidobacteria and lactobacilli. *Journal of Functional Foods*, **2014**, 6, 482-491	5.1	11
47	Modulation of fecal Clostridiales bacteria and butyrate by probiotic intervention with Lactobacillus paracasei DG varies among healthy adults. *Journal of Nutrition*, **2014**, 144, 1787-96	4.1	127
46	Bifidobacterium bifidum as an example of a specialized human gut commensal. *Frontiers in Microbiology*, **2014**, 5, 437	5.7	73
45	rBet v 1 immunotherapy of sensitized mice with Streptococcus thermophilus as vehicle and adjuvant. *Human Vaccines and Immunotherapeutics*, **2014**, 10, 1228-37	4.4	5
44	Methodological issues in the study of intestinal microbiota in irritable bowel syndrome. *World Journal of Gastroenterology*, **2014**, 20, 8821-36	5.6	14
43	Mobilome and genetic modification of bifidobacteria. *Beneficial Microbes*, **2013**, 4, 143-66	4.9	13
42	Differential modulation of human intestinal bifidobacterium populations after consumption of a wild blueberry (Vaccinium angustifolium) drink. *Journal of Agricultural and Food Chemistry*, **2013**, 61, 8134-40	5.7	82
41	Role of sortase-dependent pili of Bifidobacterium bifidum PRL2010 in modulating bacterium-host interactions. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 11151-6	11.5	172
40	Luteibacter rhizovicinus MIMR1 promotes root development in barley (Hordeum vulgare L.) under laboratory conditions. *World Journal of Microbiology and Biotechnology*, **2013**, 29, 2025-32	4.4	14

39	Biocide susceptibility in bifidobacteria of human origin. *Journal of Global Antimicrobial Resistance*, **2013**, 1, 97-101	3.4	7
38	Impact of Bifidobacterium bifidum MIMBb75 on mouse intestinal microorganisms. *FEMS Microbiology Ecology*, **2013**, 85, 369-75	4.3	22
37	Evaluation of adhesion properties and antibacterial activities of the infant gut commensal Bifidobacterium bifidum PRL2010. *Anaerobe*, **2013**, 21, 9-17	2.8	41
36	Increasing the heme-dependent respiratory efficiency of Lactococcus lactis by inhibition of lactate dehydrogenase. *Applied and Environmental Microbiology*, **2013**, 79, 376-80	4.8	18
35	S-layer protein mediates the stimulatory effect of Lactobacillus helveticus MIMLh5 on innate immunity. *Applied and Environmental Microbiology*, **2013**, 79, 1221-31	4.8	78
34	BopA does not have a major role in the adhesion of Bifidobacterium bifidum to intestinal epithelial cells, extracellular matrix proteins, and mucus. *Applied and Environmental Microbiology*, **2013**, 79, 6989-97	4.8	28
33	An efficient and reproducible method for transformation of genetically recalcitrant bifidobacteria. *FEMS Microbiology Letters*, **2012**, 333, 146-52	2.9	19
32	Bioluminescence-based identification of nisin producers - a rapid and simple screening method for nisinogenic bacteria in food samples. *International Journal of Food Microbiology*, **2012**, 158, 126-32	5.8	7
31	Health-Promoting Properties of Lactobacillus helveticus. *Frontiers in Microbiology*, **2012**, 3, 392	5.7	58
30	In vitro functional and immunomodulatory properties of the Lactobacillus helveticus MIMLh5-Streptococcus salivarius ST3 association that are relevant to the development of a pharyngeal probiotic product. *Applied and Environmental Microbiology*, **2012**, 78, 4209-16	4.8	25
29	Biotransformation strategy to reduce allergens in propolis. *Applied and Environmental Microbiology*, **2012**, 78, 4654-8	4.8	19
28	Six-week consumption of a wild blueberry powder drink increases bifidobacteria in the human gut. *Journal of Agricultural and Food Chemistry*, **2011**, 59, 12815-20	5.7	195
27	Potential immunomodulatory activity of bovine casein hydrolysates produced after digestion with proteinases of lactic acid bacteria. *International Dairy Journal*, **2011**, 21, 763-769	3.5	30
26	Randomised clinical trial: Bifidobacterium bifidum MIMBb75 significantly alleviates irritable bowel syndrome and improves quality of life--a double-blind, placebo-controlled study. *Alimentary Pharmacology and Therapeutics*, **2011**, 33, 1123-32	6.1	175
25	Bifidobacterium bifidum MIMBb75 in irritable bowel syndrome: authors reply. *Alimentary Pharmacology and Therapeutics*, **2011**, 34, 101-102	6.1	
24	The immunomodulatory properties of probiotic microorganisms beyond their viability (ghost probiotics: proposal of paraprobiotic concept). *Genes and Nutrition*, **2011**, 6, 261-74	4.3	324
23	Enzymatic hydrolysis of capsaicins for the production of vanillylamine using ECB deacylase from Actinoplanes utahensis. *Food Chemistry*, **2011**, 124, 1096-1098	8.5	26
22	Alkalizing reactions streamline cellular metabolism in acidogenic microorganisms. *PLoS ONE*, **2010**, 5, e15520	3.7	26

21	Oral bacteria as potential probiotics for the pharyngeal mucosa. *Applied and Environmental Microbiology*, **2010**, 76, 3948-58	4.8	61
20	A dairy bacterium displays in vitro probiotic properties for the pharyngeal mucosa by antagonizing group A streptococci and modulating the immune response. *Infection and Immunity*, **2010**, 78, 4734-43	3.7	30
19	The relevance of carbon dioxide metabolism in Streptococcus thermophilus. *Microbiology (United Kingdom)*, **2009**, 155, 1953-1965	2.9	25
18	Study of the adhesion of Bifidobacterium bifidum MIMBb75 to human intestinal cell lines. *Current Microbiology*, **2009**, 59, 167-72	2.4	42
17	Carbamoylphosphate synthetase activity is essential for the optimal growth of Streptococcus thermophilus in milk. *Journal of Applied Microbiology*, **2009**, 107, 348-54	4.7	7
16	Construction, characterization and exemplificative application of bioluminescent Bifidobacterium longum biovar longum. *International Journal of Food Microbiology*, **2008**, 124, 285-90	5.8	27
15	Implication of an outer surface lipoprotein in adhesion of Bifidobacterium bifidum to Caco-2 cells. *Applied and Environmental Microbiology*, **2008**, 74, 4695-702	4.8	93
14	Bacterial cinnamoyl esterase activity screening for the production of a novel functional food product. *Applied and Environmental Microbiology*, **2008**, 74, 1284-8	4.8	48
13	Generation and comparison of bioluminescent and fluorescent Bacillus licheniformis. *Current Microbiology*, **2008**, 57, 245-50	2.4	7
12	Complete nucleotide sequence of pGS18, a 62.8-kb plasmid from Geobacillus stearothermophilus strain 18. *Extremophiles*, **2008**, 12, 415-29	3	6
11	Small rolling circle plasmids in Bacillus subtilis and related species: organization, distribution, and their possible role in host physiology. *Plasmid*, **2007**, 57, 245-64	3.3	18
10	Identification andin silico characterisation of putative conjugative transfer genes onGeobacillus stearothermophilus plasmids. *Annals of Microbiology*, **2007**, 57, 407-414	3.2	1
9	Molecular characterization of Bifidobacterium longum biovar longum NAL8 plasmids and construction of a novel replicon screening system. *Applied Microbiology and Biotechnology*, **2007**, 74, 1053-61	5.7	24
8	Aspartate biosynthesis is essential for the growth of Streptococcus thermophilus in milk, and aspartate availability modulates the level of urease activity. *Applied and Environmental Microbiology* , **2007**, 73, 5789-96	4.8	34
7	Urease biogenesis in Streptococcus thermophilus. *Research in Microbiology*, **2005**, 156, 897-903	4	32
6	Genetic relationship among Bacillus licheniformis rolling-circle-replicating plasmids and complete nucleotide sequence of pBL63.1, an atypical replicon. *Plasmid*, **2005**, 54, 93-103	3.3	3
5	Conditions affecting cell surface properties of human intestinal bifidobacteria. *Antonie Van Leeuwenhoek*, **2005**, 88, 207-19	2.1	56
4	Homologies among three Bacillus licheniformis plasmids and molecular characterization of their replication module. *Microbiological Research*, **2004**, 159, 211-7	5.3	

3	Complete sequence and structural organization of pFL5 and pFL7, two cryptic plasmids from Bacillus licheniformis. *Plasmid*, **2004**, 51, 192-202	3.3	8
2	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. *Microbiology (United Kingdom)*, **2003**, 149, 807-813	2.9	46
1	Unusual organization for lactose and galactose gene clusters in Lactobacillus helveticus. *Applied and Environmental Microbiology*, **2003**, 69, 3238-43	4.8	36