

# Maddalena Rossi

## List of Publications by Year in descending order

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90  
papers

5,132  
citations

87843

38  
h-index

91828

69  
g-index

96  
all docs

96  
docs citations

96  
times ranked

6918  
citing authors

#	ARTICLE	IF	CITATIONS
1	Folate Production by Probiotic Bacteria. <i>Nutrients</i> , 2011, 3, 118-134.	1.7	459
2	Fermentation of Fructooligosaccharides and Inulin by Bifidobacteria: a Comparative Study of Pure and Fecal Cultures. <i>Applied and Environmental Microbiology</i> , 2005, 71, 6150-6158.	1.4	434
3	Antioxidant properties of potentially probiotic bacteria: in vitro and in vivo activities. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 809-817.	1.7	346
4	Folate Production by Bifidobacteria as a Potential Probiotic Property. <i>Applied and Environmental Microbiology</i> , 2007, 73, 179-185.	1.4	263
5	Antibiotic combination therapy in patients with chronic, treatment-resistant pouchitis. <i>Alimentary Pharmacology and Therapeutics</i> , 1999, 13, 713-718.	1.9	214
6	Characterization of Bifidobacterium strains for use in soymilk fermentation. <i>International Journal of Food Microbiology</i> , 1998, 39, 213-219.	2.1	157
7	In vitro transformation of chlorogenic acid by human gut microbiota. <i>Molecular Nutrition and Food Research</i> , 2014, 58, 1122-1131.	1.5	137
8	Wheat bran promotes enrichment within the human colonic microbiota of butyrate-producing bacteria that release ferulic acid. <i>Environmental Microbiology</i> , 2016, 18, 2214-2225.	1.8	119
9	Bioconversion of soy isoflavones daidzin and daidzein by Bifidobacterium strains. <i>Applied Microbiology and Biotechnology</i> , 2009, 81, 943-950.	1.7	117
10	Single cell oils of the cold-adapted oleaginous yeast <i>Rhodotorula glacialis</i> DBVPG 4785. <i>Microbial Cell Factories</i> , 2010, 9, 73.	1.9	111
11	Longitudinal Survey of Fungi in the Human Gut: ITS Profiling, Phenotyping, and Colonization. <i>Frontiers in Microbiology</i> , 2019, 10, 1575.	1.5	101
12	In vitro comparison of the prebiotic effects of two inulin-type fructans. <i>Anaerobe</i> , 2008, 14, 280-286.	1.0	99
13	Kinetics and Metabolism of Bifidobacterium adolescentis MB 239 Growing on Glucose, Galactose, Lactose, and Galactooligosaccharides. <i>Applied and Environmental Microbiology</i> , 2007, 73, 3637-3644.	1.4	97
14	Hydrolysis of the Rutinose-Conjugates Flavonoids Rutin and Hesperidin by the Gut Microbiota and Bifidobacteria. <i>Nutrients</i> , 2015, 7, 2788-2800.	1.7	94
15	Administration of Folate-Producing Bifidobacteria Enhances Folate Status in Wistar Rats. <i>Journal of Nutrition</i> , 2007, 137, 2742-2746.	1.3	93
16	Growth, lipid accumulation, and fatty acid composition in obligate psychrophilic, facultative psychrophilic, and mesophilic yeasts. <i>FEMS Microbiology Ecology</i> , 2009, 69, 363-372.	1.3	87
17	PCR detection of Bifidobacterium strains and Streptococcus thermophilus in feces of human subjects after oral bacteriotherapy and yogurt consumption. <i>International Journal of Food Microbiology</i> , 2003, 81, 203-209.	2.1	85
18	Cholesterol-lowering probiotics: in vitro selection and in vivo testing of bifidobacteria. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 8273-8281.	1.7	82

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19	Profiling of Protein Degradors in Cultures of Human Gut Microbiota. <i>Frontiers in Microbiology</i> , 2019, 10, 2614.	1.5	74
20	Mining metagenomic whole genome sequences revealed subdominant but constant <i>Lactobacillus</i> population in the human gut microbiota. <i>Environmental Microbiology Reports</i> , 2016, 8, 399-406.	1.0	72
21	Assessment of In-Line Near-Infrared Spectroscopy for Continuous Monitoring of Fermentation Processes. <i>Biotechnology Progress</i> , 2003, 19, 1816-1821.	1.3	68
22	Characterization of the plasmid pMB1 from <i>Bifidobacterium longum</i> and its use for shuttle vector construction. <i>Research in Microbiology</i> , 1996, 147, 133-143.	1.0	67
23	Identification of mucin degraders of the human gut microbiota. <i>Scientific Reports</i> , 2021, 11, 11094.	1.6	67
24	Getting lipids from glycerol: new perspectives on biotechnological exploitation of <i>Candida freyschussii</i> . <i>Microbial Cell Factories</i> , 2014, 13, 83.	1.9	60
25	Fermentation of xylo-oligosaccharides by <i>Bifidobacterium adolescentis</i> DSMZ 18350: kinetics, metabolism, and $\beta$ -xylosidase activities. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 3109-3117.	1.7	58
26	Role of bifidobacteria in the hydrolysis of chlorogenic acid. <i>MicrobiologyOpen</i> , 2015, 4, 41-52.	1.2	55
27	<i>Bifidobacteria</i> supplementation: Effects on plasma lipid profiles in dyslipidemic children. <i>Nutrition</i> , 2014, 30, 831-836.	1.1	54
28	Substrate preference of <i>Bifidobacterium adolescentis</i> MB 239: compared growth on single and mixed carbohydrates. <i>Applied Microbiology and Biotechnology</i> , 2006, 73, 654-662.	1.7	53
29	Detection of novel metabolites of flaxseed lignans in vitro and in vivo. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 1590-1601.	1.5	47
30	Specific Detection of <i>Bifidobacterium</i> Strains in a Pharmaceutical Probiotic Product and in Human Feces by Polymerase Chain Reaction. <i>Systematic and Applied Microbiology</i> , 2000, 23, 391-399.	1.2	46
31	Role of bifidobacteria in the activation of the lignan secoisolariciresinol diglucoside. <i>Applied Microbiology and Biotechnology</i> , 2011, 92, 159-168.	1.7	46
32	Characterization of the peptide fraction from digested Parmigiano Reggiano cheese and its effect on growth of lactobacilli and bifidobacteria. <i>International Journal of Food Microbiology</i> , 2017, 255, 32-41.	2.1	46
33	Lactic acid bacteria as protective cultures in fermented pork meat to prevent <i>Clostridium</i> spp. growth. <i>International Journal of Food Microbiology</i> , 2016, 235, 53-59.	2.1	45
34	Nucleotide sequence, expression and transcriptional analysis of the <i>Bifidobacterium longum</i> MB 219 lacZ gene. <i>Archives of Microbiology</i> , 2000, 174, 74-80.	1.0	44
35	Antibiotic Resistance, Virulence Factors, Phenotyping, and Genotyping of <i>E. coli</i> Isolated from the Feces of Healthy Subjects. <i>Microorganisms</i> , 2019, 7, 251.	1.6	43
36	Comparison of formula-fed infants with and without colic revealed significant differences in total bacteria, <i>Enterobacteriaceae</i> and faecal ammonia. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2017, 106, 573-578.	0.7	42

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37	Enhanced production of L-(+)-lactic acid in chemostat by <i>Lactobacillus casei</i> DSM 20011 using ion-exchange resins and cross-flow filtration in a fully automated pilot plant controlled via NIR. <i>Biotechnology and Bioengineering</i> , 2000, 67, 147-156.	1.7	41
38	An efficient transformation system for <i>Bifidobacterium</i> spp.. <i>Letters in Applied Microbiology</i> , 1997, 24, 33-36.	1.0	39
39	Improved cloning vectors for <i>Bifidobacterium</i> spp.. <i>Letters in Applied Microbiology</i> , 1998, 26, 101-104.	1.0	39
40	Conjugated Linoleic Acid Production by <i>Bifidobacteria</i> : Screening, Kinetic, and Composition. <i>BioMed Research International</i> , 2016, 2016, 1-8.	0.9	39
41	Growth kinetics on oligo- and polysaccharides and promising features of three antioxidative potential probiotic strains. <i>Journal of Applied Microbiology</i> , 2008, 105, 1266-1276.	1.4	35
42	Microbiota of sliced cooked ham packaged in modified atmosphere throughout the shelf life. <i>International Journal of Food Microbiology</i> , 2019, 289, 200-208.	2.1	35
43	Effect of Rearing Temperature on Growth and Microbiota Composition of <i>Hermetia illucens</i> . <i>Microorganisms</i> , 2020, 8, 902.	1.6	33
44	The effect of n-alkanes in the degradation of dibenzothiophene and of organic sulfur compounds in heavy oil by <i>Pseudomonas</i> sp.. <i>Biotechnology Letters</i> , 1992, 14, 515-520.	1.1	32
45	Potential Impact of Probiotic Consumption on the Bioactivity of Dietary Phytochemicals. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 130924093716009.	2.4	32
46	Antibiotic Resistance, Virulence Factors, Phenotyping, and Genotyping of Non- <i>Escherichia coli</i> Enterobacteriales from the Gut Microbiota of Healthy Subjects. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1847.	1.8	32
47	The Probiotic <i>Bifidobacterium breve</i> B632 Inhibited the Growth of <i>Enterobacteriaceae</i> within Colicky Infant Microbiota Cultures. <i>BioMed Research International</i> , 2014, 2014, 1-7.	0.9	31
48	Thermal adaptability of <i>Kluyveromyces marxianus</i> in recombinant protein production. <i>Microbial Cell Factories</i> , 2013, 12, 34.	1.9	29
49	Comparison of culture-dependent and independent approaches to characterize fecal bifidobacteria and lactobacilli. <i>Anaerobe</i> , 2016, 38, 130-137.	1.0	29
50	Characterization and molecular cloning of <i>Bifidobacterium longum</i> cryptic plasmid pMB1. <i>Letters in Applied Microbiology</i> , 1990, 11, 220-223.	1.0	27
51	Production of l(+) and d(β) lactic acid isomers by <i>Lactobacillus casei</i> subsp. <i>casei</i> DSM 20011 and <i>Lactobacillus coryniformis</i> subsp. <i>torquens</i> DSM 20004 in continuous fermentation. <i>Journal of Bioscience and Bioengineering</i> , 1996, 81, 548-552.	0.9	27
52	Prebiotic effects of a wheat germ preparation in human healthy subjects. <i>Food Microbiology</i> , 2004, 21, 119-124.	2.1	27
53	Fermentative production of superoxide dismutase with <i>Kluyveromyces marxianus</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2006, 34, 27-34.	1.4	27
54	Evolution of microbial community and chemical properties of a sourdough during the production of Colomba, an Italian sweet leavened baked product. <i>LWT - Food Science and Technology</i> , 2017, 86, 31-39.	2.5	27

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55	Getting Lipids for Biodiesel Production from Oleaginous Fungi. , 0, , .		26
56	Bacterial community of industrial raw sausage packaged in modified atmosphere throughout the shelf life. International Journal of Food Microbiology, 2018, 280, 78-86.	2.1	24
57	SOD1, a New <i>Kluyveromyces lactis</i> Helper Gene for Heterologous Protein Secretion. Applied and Environmental Microbiology, 2008, 74, 7130-7137.	1.4	21
58	Comparison of gluten peptides and potential prebiotic carbohydrates in old and modern <i>Triticum turgidum</i> ssp. genotypes. Food Research International, 2019, 120, 568-576.	2.9	21
59	Zinc Uptake by Lactic Acid Bacteria. ISRN Biotechnology, 2013, 2013, 1-5.	1.9	21
60	Cloning of the gene for cholesterol oxidase in <i>Bacillus</i> spp., <i>Lactobacillus reuteri</i> and its expression in <i>Escherichia coli</i> . Letters in Applied Microbiology, 1993, 17, 61-64.	1.0	20
61	A new approach to the synthesis of rare thiazino[6,5-b]indol-4-one derivatives. First total synthesis of the indole phytoalexin cyclobrassinon. Tetrahedron, 2002, 58, 9029-9039.	1.0	19
62	Secretion of <i>Kluyveromyces lactis</i> Cu/Zn SOD: strategies for enhanced production. Applied Microbiology and Biotechnology, 2010, 86, 871-878.	1.7	19
63	Riboflavin Biosynthesis and Overproduction by a Derivative of the Human Gut Commensal <i>Bifidobacterium longum</i> subsp. <i>infantis</i> ATCC 15697. Frontiers in Microbiology, 2020, 11, 573335.	1.5	18
64	Barrier and carrier effects of n-dodecane on the anaerobic degradation of benzothiophene by <i>Desulfovibrio desulfuricans</i> . Biotechnology Letters, 1993, 15, 527-530.	1.1	17
65	Characterization of the superoxide dismutase SOD1 gene of <i>Kluyveromyces marxianus</i> L3 and improved production of SOD activity. Applied Microbiology and Biotechnology, 2008, 77, 1269-1277.	1.7	17
66	$\beta$ -Glucuronidase Pattern Predicted From Gut Metagenomes Indicates Potentially Diversified Pharmacomicrobiomics. Frontiers in Microbiology, 2022, 13, 826994.	1.5	17
67	Enoate reductases from non conventional yeasts: Bioconversion, cloning, and functional expression in <i>Saccharomyces cerevisiae</i> . Journal of Biotechnology, 2011, 156, 279-285.	1.9	16
68	Potential prebiotic effect of a long-chain dextran produced by <i>Weissella cibaria</i> : an <i>in vitro</i> evaluation. International Journal of Food Sciences and Nutrition, 2020, 71, 563-571.	1.3	16
69	Characterization of Gram-positive broad host-range plasmids carrying a thermophilic replicon. Research in Microbiology, 1991, 142, 389-396.	1.0	15
70	Stability of recombinant plasmids on the continuous culture of <i>Bifidobacterium animalis</i> ATCC 27536. Biotechnology and Bioengineering, 2003, 84, 145-150.	1.7	13
71	Investigation on the antimicrobial properties of cerium doped bioactive glasses. Journal of Biomedical Materials Research - Part A, 2022, 110, 504-508.	2.1	13
72	Study of stability of recombinant plasmids during the continuous culture of <i>Bacillus stearothermophilus</i> NUB3621 in nonselective medium. , 1997, 53, 507-514.		12

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73	Flavone and xanthone derivatives related to fluoroquinolones. <i>Il Farmaco</i> , 1999, 54, 411-415.	0.9	11
74	Comparative Genomics of <i>Leuconostoc carnosum</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 605127.	1.5	11
75	Vaginal and Anal Microbiome during <i>Chlamydia trachomatis</i> Infections. <i>Pathogens</i> , 2021, 10, 1347.	1.2	11
76	A new photocyclization approach to the rare 1,3-thiazino[6,5-b]indol-4-one derivatives. <i>Tetrahedron Letters</i> , 2001, 42, 9281-9283.	0.7	10
77	Recombinant <i>S. cerevisiae</i> expressing Old Yellow Enzymes from non-conventional yeasts: an easy system for selective reduction of activated alkenes. <i>Microbial Cell Factories</i> , 2014, 13, 60.	1.9	10
78	Multivariate Analysis in Microbiome Description: Correlation of Human Gut Protein Degradors, Metabolites, and Predicted Metabolic Functions. <i>Frontiers in Microbiology</i> , 2021, 12, 723479.	1.5	9
79	Allylamine Type Xanthone Antimycotics. <i>Archiv Der Pharmazie</i> , 1998, 331, 225-227.	2.1	8
80	Anti-Listeria Starters: In Vitro Selection and Production Plant Evaluation. <i>Journal of Food Protection</i> , 2014, 77, 837-842.	0.8	8
81	Draft Genome Sequences of 12 <i>Leuconostoc carnosum</i> Strains Isolated from Cooked Ham Packaged in a Modified Atmosphere and from Fresh Sausages. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	6
82	Gut mobilization improves behavioral symptoms and modulates urinary p-cresol in chronically constipated autistic children: A prospective study. <i>Autism Research</i> , 2021, , .	2.1	6
83	Microbiota Survey of Sliced Cooked Ham During the Secondary Shelf Life. <i>Frontiers in Microbiology</i> , 2022, 13, 842390.	1.5	6
84	Phenotypic Traits and Immunomodulatory Properties of <i>Leuconostoc carnosum</i> Isolated From Meat Products. <i>Frontiers in Microbiology</i> , 2021, 12, 730827.	1.5	5
85	Rapid method for screening enoate reductase activity in yeasts. <i>Journal of Microbiological Methods</i> , 2010, 83, 106-110.	0.7	4
86	Production of Single Cell Oils from Glycerol By Oleaginous Yeasts. <i>Journal of Biotechnology</i> , 2010, 150, 389-389.	1.9	3
87	Complementary microbial approaches for the preparation of optically pure aromatic molecules. <i>Annals of Microbiology</i> , 2013, 63, 1021-1027.	1.1	2
88	Mining metagenomic whole genome sequences revealed subdominant but constant <i>Lactobacillus</i> population in the human gut microbiota. <i>Environmental Microbiology</i> , 2016, , n/a-n/a.	1.8	2
89	In Vitro Assessment of Prebiotic Activity. <i>Methods in Molecular Biology</i> , 2021, 2278, 209-223.	0.4	1
90	Draft Genome Sequence of the Mucin Degradar <i>Clostridium tertium</i> WC0709. <i>Microbiology Resource Announcements</i> , 2021, 10, e0064221.	0.3	1