Annick Mercenier

List of Publications by Year
in descending order

69 papers	7,049 citations	61945 43 h-index	98753 67 g-index
70 all docs	70 docs citations	70 times ranked	6987 citing authors

#	Article	IF	Citations
1	Human Intestinal Barrier Function in Health and Disease. Clinical and Translational Gastroenterology, 2016, 7, e196.	1.3	569
2	The genome sequence of the probiotic intestinal bacterium Lactobacillus johnsonii NCC 533. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 2512-2517.	3.3	476
3	Mucosal delivery of therapeutic and prophylactic molecules using lactic acid bacteria. Nature Reviews Microbiology, 2008, 6, 349-362.	13.6	464
4	New Scientific Paradigms for Probiotics and Prebiotics. Journal of Clinical Gastroenterology, 2003, 37, 105-118.	1.1	413
5	From The Cover: Enhanced antiinflammatory capacity of a Lactobacillus plantarum mutant synthesizing modified teichoic acids. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 10321-10326.	3.3	399
6	Correlation between in vitro and in vivo immunomodulatory properties of lactic acid bacteria. World Journal of Gastroenterology, 2007, 13, 236.	1.4	366
7	Cross-Talk between Probiotic Bacteria and the Host Immune System1,. Journal of Nutrition, 2007, 137, 781S-790S.	1.3	276
8	Guidance for Substantiating the Evidence for Beneficial Effects of Probiotics: Current Status and Recommendations for Future Research1â€“3. Journal of Nutrition, 2010, 140, 671S-676S.	1.3	217
9	Identification of Lactobacillus plantarum Genes That Are Induced in the Gastrointestinal Tract of Mice. Journal of Bacteriology, 2004, 186, 5721-5729.	1.0	211
10	Lactic acid bacteria inhibit TH2 cytokine production by mononuclear cells from allergic patients. Journal of Allergy and Clinical Immunology, 2002, 110, 617-623.	1.5	162
11	Adaptation of the Nisin-Controlled Expression System in Lactobacillus plantarum : a Tool To Study In Vivo Biological Effects. Applied and Environmental Microbiology, 2000, 66, 4427-4432.	1.4	147
12	Mucosal Immune Responses and Protection against Tetanus Toxin after Intranasal Immunization with RecombinantLactobacillus plantarum. Infection and Immunity, 2001, 69, 1547-1553.	1.0	139
13	Guidance for Substantiating the Evidence for Beneficial Effects of Probiotics: Prevention and Management of Allergic Diseases by Probiotics1â€“3. Journal of Nutrition, 2010, 140, 713S-721S.	1.3	119
14	Lessons from the genomes of bifidobacteria. FEMS Microbiology Reviews, 2005, 29, 491-509.	3.9	115
15	Transposon insertion mutagenesis of Pseudomonas aeruginosa with a Tn5 derivative: application to physical mapping of the arc gene cluster. Gene, 1985, 33, 293-303.	1.0	114
16	Mucosal co-application of lactic acid bacteria and allergen induces counter-regulatory immune responses in a murine model of birch pollen allergy. Vaccine, 2003, 22, 87-95.	1.7	114
17	Use of Mouse Models To Evaluate the Persistence, Safety, and Immune Modulation Capacities of Lactic Acid Bacteria. Vaccine Journal, 2003, 10, 696-701.	3.2	113
18	Use of Green Fluorescent Protein To Tag Lactic Acid Bacterium Strains under Development as Live Vaccine Vectors. Applied and Environmental Microbiology, 2000, 66, 383-391.	1.4	108

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19	Comparison of the immune responses induced by local immunizations with recombinant Lactobacillus plantarum producing tetanus toxin fragment C in different cellular locations. Vaccine, 2002, 20, 1769-1777.	1.7	104
20	Improvement of an experimental colitis in rats by lactic acid bacteria producing superoxide dismutase. Inflammatory Bowel Diseases, 2006, 12, 1044-1052.	0.9	104
21	The complete genomes of Lactobacillus plantarum and Lactobacillus johnsonii reveal extensive differences in chromosome organization and gene content. Microbiology (United Kingdom), 2004, 150, 3601-3611.	0.7	103
22	Linking Human Milk Oligosaccharides, Infant Fecal Community Types, and Later Risk To Require Antibiotics. MBio, 2020, 11, .	1.8	98
23	Oral Immunization of Mice with Lactic Acid Bacteria ProducingHelicobacter pyloriUrease B Subunit Partially Protects against Challenge withHelicobacter felis. Journal of Infectious Diseases, 2005, 192, 1441-1449.	1.9	94
24	Analysis of the lacZ sequences from two Streptococcus thermophilus strains: comparison with the Escherichia coli and Lactobacillus bulgaricus Î²-galactosidase sequences. Microbiology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 53	0.7	93
25	Germ-free status and altered caecal subdominant microbiota are associated with a high susceptibility to cow's milk allergy in mice. FEMS Microbiology Ecology, 2011, 76, 133-144.	1.3	91
26	Protection against tetanus toxin after intragastric administration of two recombinant lactic acid bacteria: impact of strain viability and in vivo persistence. Vaccine, 2002, 20, 3304-3309.	1.7	90
27	Strategies for the development of bacterial transformation systems. Biochimie, 1988, 70, 503-517.	1.3	88
28	Infant gut microbiota is protective against cow's milk allergy in mice despite immature ileal T-cell response. FEMS Microbiology Ecology, 2012, 79, 192-202.	1.3	86
29	Recommendations for Improved Use of the Murine TNBS-Induced Colitis Model in Evaluating Anti-inflammatory Properties of Lactic Acid Bacteria: Technical and Microbiological Aspects. Digestive Diseases and Sciences, 2006, 51, 390-400.	1.1	81
30	Sequence analysis and expression of the arginine-deiminase and carbamate-kinase genes of Pseudomonas aeruginosa. FEBS Journal, 1989, 179, 53-60.	0.2	78
31	Molecular genetics ofStreptococcus thermophilus. FEMS Microbiology Letters, 1990, 87, 61-78.	0.7	77
32	Structure and Function of Ornithine Carbamoyltransferases. FEBS Journal, 1977, 80, 401-409.	0.2	76
33	Effect of a lotion containing the heat-treated probiotic strain Lactobacillus johnsonii NCC 533 on Staphylococcus aureus colonization in atopic dermatitis. Clinical, Cosmetic and Investigational Dermatology, 2017, Volume 10, 249-257.	0.8	69
34	Potential and Opportunities for Use of Recombinant Lactic Acid Bacteria in Human Health. Advances in Applied Microbiology, 2004, 56, 1-64.	1.3	67
35	Cell surface-associated compounds of probiotic lactobacilli sustain the strain-specificity dogma. Current Opinion in Microbiology, 2013, 16, 262-269.	2.3	66
36	Expression of biosynthetic genes from Pseudomonas aeruginosa and Escherichia coli in the heterologous host. Molecular Genetics and Genomics, 1986, 203, 421-429.	2.4	62

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37	Knockout of the alanine racemase gene inLactobacillus plantarumresults in septation defects and cell wall perforation. FEMS Microbiology Letters, 2004, 233, 131-138.	0.7	60
38	Enhanced Mucosal Delivery of Antigen with Cell Wall Mutants of Lactic Acid Bacteria. Infection and Immunity, 2004, 72, 2731-2737.	1.0	59
39	Intragastric and Intranasal Administration ofLactobacillus paracaseiNCC2461 Modulates Allergic Airway Inflammation in Mice. International Journal of Inflammation, 2012, 2012, 1-8.	0.9	56
40	Efficient secretion of the model antigen M6-gp41E in Lactobacillus plantarum NCIMB 8826. Microbiology (United Kingdom), 1997, 143, 2733-2741.	0.7	51
41	Comparison of two oral probiotic preparations in a randomized crossover trial highlights a potentially beneficial effect of Lactobacillus paracasei NCC2461Âin patients with allergic rhinitis. Clinical and Translational Allergy, 2014, 4, 1.	1.4	51
42	Isolation and structural analysis of the phospho-Î²-galactosidase gene from Streptococcus lactis Z268. Gene, 1988, 62, 249-261.	1.0	49
43	Food products and allergy development, prevention and treatment. Current Opinion in Biotechnology, 2006, 17, 198-203.	3.3	47
44	Arginine degradation in Pseudomonas aeruginosa mutants blocked in two arginine catabolic pathways. Molecular Genetics and Genomics, 1984, 193, 437-444.	2.4	44
45	Neonatal environment exerts a sustained influence on the development of the intestinal microbiota and metabolic phenotype. ISME Journal, 2016, 10, 145-157.	4.4	44
46	Production of cholera toxin B subunit inLactobacillus. FEMS Microbiology Letters, 1998, 169, 29-36.	0.7	42
47	Nigella sativa (Black Cumin) Seed Extract Alleviates Symptoms of Allergic Diarrhea in Mice, Involving Opioid Receptors. PLoS ONE, 2012, 7, e39841.	1.1	39
48	Characterization of a Williopsis saturnus var. mrakii high molecular weight secreted killer toxin with broad-spectrum antimicrobial activity. Journal of Antimicrobial Chemotherapy, 2002, 49, 961-971.	1.3	38
49	Distinctive anti-allergy properties of two probiotic bacterial strains in a mouse model of allergic poly-sensitization. Vaccine, 2011, 29, 1981-1990.	1.7	38
50	Perinatal Maternal Administration of Lactobacillus paracasei NCC 2461 Prevents Allergic Inflammation in a Mouse Model of Birch Pollen Allergy. PLoS ONE, 2012, 7, e40271.	1.1	37
51	Bangladeshi children with acute diarrhoea show faecal microbiomes with increased Streptococcus abundance, irrespective of diarrhoea aetiology. Environmental Microbiology, 2018, 20, 2256-2269.	1.8	33
52	Characterization of Candidate Anti-Allergic Probiotic Strains in a Model of Th2-Skewed Human Peripheral Blood Mononuclear Cells. International Archives of Allergy and Immunology, 2013, 161, 142-154.	0.9	32
53	Identification of epicatechin as one of the key bioactive constituents of polyphenol-enriched extracts that demonstrate an anti-allergic effect in a murine model of food allergy. British Journal of Nutrition, 2014, 112, 358-368.	1.2	31
54	Genetics of Streptococcus thermophilus: A Review. Journal of Dairy Science, 1989, 72, 3444-3454.	1.4	27

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55	Edible genetically modified microorganisms and plants for improved health. Current Opinion in Biotechnology, 2001, 12, 510-515.	3.3	26
56	Weaning diet induces sustained metabolic phenotype shift in the pig and influences host response toBifidobacterium lactisNCC2818. Gut, 2013, 62, 842-851.	6.1	26
57	A topical treatment containing heatâ€treated Lactobacillus johnsonii NCC 533 reduces Staphylococcus aureus adhesion and induces antimicrobial peptide expression in an in vitro reconstructed human epidermis model. Experimental Dermatology, 2018, 27, 358-365.	1.4	26
58	Lactococcus lactisNCC 2287 Alleviates Food Allergic Manifestations in Sensitized Mice by Reducing IL-13 Expression Specifically in the Ileum. Clinical and Developmental Immunology, 2012, 2012, 1-10.	3.3	25
59	<i>Bifidobacterium bifidum</i> NCC 453 Promotes Tolerance Induction in Murine Models of Sublingual Immunotherapy. International Archives of Allergy and Immunology, 2012, 158, 35-42.	0.9	24
60	Development of an efficient spheroplast transformation procedure for S. thermophilus: the use of transfection to define a regeneration medium. Biochimie, 1988, 70, 567-577.	1.3	23
61	Antibiotic Treatment Leads to Fecal Escherichia coli and Coliphage Expansion in Severely Malnourished Diarrhea Patients. Cellular and Molecular Gastroenterology and Hepatology, 2018, 5, 458-460.e6.	2.3	15
62	Dietary supplementation with Bifidobacterium lactis NCC2818 from weaning reduces local immunoglobulin production in lymphoid-associated tissues but increases systemic antibodies in healthy neonates. British Journal of Nutrition, 2013, 110, 1243-1252.	1.2	14
63	Enzymes of arginine utilization and their formation in Aeromonas formicans NCIB 9232. Archives of Microbiology, 1982, 133, 295-299.	1.0	13
64	Oral administration of Lactobacillus paracasei NCC 2461 for the modulation of grass pollen allergic rhinitis: a randomized, placeboâ€controlled study during the pollen season. Clinical and Translational Allergy, 2015, 5, 41.	1.4	13
65	Early intervention with Bifidobacterium lactis NCC2818 modulates the host-microbe interface independent of the sustained changes induced by the neonatal environment. Scientific Reports, 2017, 7, 5310.	1.6	10
66	Lactic Acid Bacteria as Mucosal Delivery Vehicles. , 2003, , 261-290.		4
67	Cloning and characterization ofWMSU1, aWilliopsis saturnus var.mrakii gene encoding a new yeast SUN protein involved in the cell wall structure. Yeast, 2002, 19, 1127-1138.	0.8	2
68	NestlÃ©'s research on nutrition and the human gut microbiome. Scientific American, 2015, 312, 79-85.	1.0	0
69	Lactic Acid Bacteria as Mucosal Delivery Vehicles. , 2003, , 261-290.		0