

M Andrea Azcarate-Peril

List of Publications by Year in descending order

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121
papers

7,515
citations

50276
46
h-index

56724
83
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129
all docs

129
docs citations

129
times ranked

10055
citing authors

#	ARTICLE	IF	CITATIONS
1	Association of Increased Serum Lipopolysaccharide, But Not Microbial Dysbiosis, With <scp>Obesity&Related</scp> Osteoarthritis. Arthritis and Rheumatology, 2022, 74, 227-236.	5.6	21
2	Fecal metabolomics reveals products of dysregulated proteolysis and altered microbial metabolism in obesity-related osteoarthritis. Osteoarthritis and Cartilage, 2022, 30, 81-91.	1.3	25
3	The effects of medication adherence on study outcomes in randomized clinical trials: A role for cognitive dysfunction?. Applied Neuropsychology Adult, 2021, 28, 641-646.	1.2	2
4	House dust microbiota in relation to adult asthma and atopy in a US farming population. Journal of Allergy and Clinical Immunology, 2021, 147, 910-920.	2.9	21
5	A preliminary study of gut microbiome variation and HPA axis reactivity in healthy infants. Psychoneuroendocrinology, 2021, 124, 105046.	2.7	21
6	Hologenomics: The Interaction Between Host, Microbiome and Diet. , 2021, , 212-228.		1
7	The pleiotropic effects of prebiotic galacto-oligosaccharides on the aging gut. Microbiome, 2021, 9, 31.	11.1	43
8	The bacterial microbiome and metabolome in caries progression and arrest. Journal of Oral Microbiology, 2021, 13, 1886748.	2.7	14
9	Magnesium and imidazole propionate. Clinical Nutrition ESPEN, 2021, 41, 436-438.	1.2	5
10	Food antigen sensitization in genetically-susceptible mice is influenced by fecal IgA, antigen absorption, and gut microbiome composition. Journal of Allergy and Clinical Immunology, 2021, 147, AB142.	2.9	1
11	Dysbiosis of fecal microbiota in cats with naturally occurring and experimentally induced Tritrichomonas foetus infection. PLoS ONE, 2021, 16, e0246957.	2.5	9
12	Safety and Modulatory Effects of Humanized Galacto-Oligosaccharides on the Gut Microbiome. Frontiers in Nutrition, 2021, 8, 640100.	3.7	9
13	Maternal precarity and HPA axis functioning shape infant gut microbiota and HPA axis development in humans. PLoS ONE, 2021, 16, e0251782.	2.5	23
14	Maternal and Infant Autonomic Nervous System Dysfunction. Biological Psychiatry, 2021, 89, S335.	1.3	0
15	Infant gut microbiome composition is associated with non-social fear behavior in a pilot study. Nature Communications, 2021, 12, 3294.	12.8	36
16	Untargeted Fecal Metabolomics to Investigate the Role of the Microbiome and Nutrients in Osteoarthritis. Current Developments in Nutrition, 2021, 5, 47.	0.3	0
17	Abstract 2580: Synergistic effect of magnesium with metformin for the prevention of liver and colorectal cancer. , 2021, , .		0
18	On the robustness of inference of association with the gut microbiota in stool, rectal swab and mucosal tissue samples. Scientific Reports, 2021, 11, 14828.	3.3	18

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19	Impact of Dietary Isoflavone Supplementation on the Fecal Microbiota and Its Metabolites in Postmenopausal Women. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 7939.	2.6	7
20	Shaping the Future of Probiotics and Prebiotics. <i>Trends in Microbiology</i> , 2021, 29, 667-685.	7.7	270
21	A double-blind, 377-subject randomized study identifies <i>Ruminococcus</i> , <i>Coprococcus</i> , <i>Christensenella</i> , and <i>Collinsella</i> as long-term potential key players in the modulation of the gut microbiome of lactose intolerant individuals by galacto-oligosaccharides. <i>Gut Microbes</i> , 2021, 13, 1957536.	9.8	12
22	Cohort Profile: ZOE 2.0—A Community-Based Genetic Epidemiologic Study of Early Childhood Oral Health. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 8056.	2.6	20
23	Randomized Clinical Trial Examining the Impact of <i>Lactobacillus rhamnosus</i> GG Probiotic Supplementation on Cognitive Functioning in Middle-aged and Older Adults. <i>Neuropsychiatric Disease and Treatment</i> , 2020, Volume 16, 2765-2777.	2.2	33
24	Accelerated Biodegradation of the Agrochemical Ametoctradin by Soil-Derived Microbial Consortia. <i>Frontiers in Microbiology</i> , 2020, 11, 1898.	3.5	2
25	Genome Sequence of <i>Citrobacter freundii</i> AMC0703, Isolated from the Intestinal Lumen of an 11-Year-Old Organ Donor. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	1
26	Su1194 MODIFICATION OF THE INFLAMMATION-RELATED PHENOTYPE OF THE TRPM7 GENOTYPE THROUGH THE GUT MICROBIOTA. <i>Gastroenterology</i> , 2020, 158, S-538.	1.3	0
27	<i>Lactobacillus rhamnosus</i> GG and HbA1c in middle age and older adults without type 2 diabetes mellitus: A preliminary randomized study. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2020, 14, 907-909.	3.6	13
28	Targeted inhibition of gut bacterial β -glucuronidase activity enhances anticancer drug efficacy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 7374-7381.	7.1	121
29	Is Fluorescence Technology a Promising Tool for Detecting Infected Dentin in Deep Carious Lesions?. <i>Caries Research</i> , 2020, 54, 205-217.	2.0	3
30	Galacto-Oligosaccharide RP-G28 Improves Multiple Clinical Outcomes in Lactose-Intolerant Patients. <i>Nutrients</i> , 2020, 12, 1058.	4.1	8
31	Fecal IgA, Antigen Absorption, and Gut Microbiome Composition Are Associated With Food Antigen Sensitization in Genetically Susceptible Mice. <i>Frontiers in Immunology</i> , 2020, 11, 599637.	4.8	20
32	Association between Gut Microbiome Composition and Rotavirus Vaccine Response among Nicaraguan Infants. <i>American Journal of Tropical Medicine and Hygiene</i> , 2020, 102, 213-219.	1.4	35
33	Lumen and mucosa-associated <i>Lactobacillus rhamnosus</i> from the intestinal tract of organ donors. <i>Gut Microbiome</i> , 2020, 1, .	3.2	1
34	Draft Genome Sequence of <i>Lactobacillus rhamnosus</i> NCB 441, Isolated from Egyptian White Domiati Cheese. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	0
35	Genome Sequence of <i>Eubacterium callanderi</i> AMC0717, Isolated from the Colonic Mucosa of an 11-Year-Old Organ Donor. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	0
36	Assessment of the non-lactic acid bacteria microbiota in fresh cucumbers and commercially fermented cucumber pickles brined with 6% NaCl. <i>Food Microbiology</i> , 2019, 77, 10-20.	4.2	34

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37	Highly diverse anaerobe-predominant vaginal microbiota among HIV-infected pregnant women in Zambia. PLoS ONE, 2019, 14, e0223128.	2.5	28
38	The Supragingival Biofilm in Early Childhood Caries: Clinical and Laboratory Protocols and Bioinformatics Pipelines Supporting Metagenomics, Metatranscriptomics, and Metabolomics Studies of the Oral Microbiome. Methods in Molecular Biology, 2019, 1922, 525-548.	0.9	17
39	Gut microbiome and brain functional connectivity in infants-a preliminary study focusing on the amygdala. Psychopharmacology, 2019, 236, 1641-1651.	3.1	91
40	Longitudinal changes during pregnancy in gut microbiota and methylmercury biomarkers, and reversal of microbe-exposure correlations. Environmental Research, 2019, 172, 700-712.	7.5	20
41	Beneficial Modulation of the Gut Microbiome: Probiotics and Prebiotics. , 2019, , 309-324.		1
42	Enhanced GII.4 human norovirus infection in gnotobiotic pigs transplanted with a human gut microbiota. Journal of General Virology, 2019, 100, 1530-1540.	2.9	15
43	Use of high throughput amplicon sequencing and ethidium monoazide dye to track microbiota changes in an equol-producing menopausal woman receiving a long-term isoflavones treatment. AIMS Microbiology, 2019, 5, 102-116.	2.2	15
44	Use of high throughput amplicon sequencing and ethidium monoazide dye to track microbiota changes in an equol-producing menopausal woman receiving a long-term isoflavones treatment. AIMS Microbiology, 2019, 5, 102-116.	2.2	1
45	Inter-niche and inter-individual variation in gut microbial community assessment using stool, rectal swab, and mucosal samples. Scientific Reports, 2018, 8, 4139.	3.3	100
46	Gut microbiome of Moroccan colorectal cancer patients. Medical Microbiology and Immunology, 2018, 207, 211-225.	4.8	68
47	An Attenuated Salmonella enterica Serovar Typhimurium Strain and Galacto-Oligosaccharides Accelerate Clearance of Salmonella Infections in Poultry through Modifications to the Gut Microbiome. Applied and Environmental Microbiology, 2018, 84, .	3.1	59
48	Infant Gut Microbiome Associated With Cognitive Development. Biological Psychiatry, 2018, 83, 148-159.	1.3	362
49	Maternal Gut Microbiome Biodiversity in Pregnancy. American Journal of Perinatology, 2018, 35, 024-030.	1.4	51
50	A randomized clinical trial examining the impact of LGG probiotic supplementation on psychological status in middle-aged and older adults. Contemporary Clinical Trials Communications, 2018, 12, 192-197.	1.1	17
51	Meta-analysis of effects of exclusive breastfeeding on infant gut microbiota across populations. Nature Communications, 2018, 9, 4169.	12.8	283
52	Prebiotics for Lactose Intolerance: Variability in Galacto-Oligosaccharide Utilization by Intestinal Lactobacillus rhamnosus. Nutrients, 2018, 10, 1517.	4.1	36
53	Exposures Related to House Dust Microbiota in a U.S. Farming Population. Environmental Health Perspectives, 2018, 126, 067001.	6.0	23
54	Osteoarthritis induced by destabilization of the medial meniscus is reduced in germ-free mice. Osteoarthritis and Cartilage, 2018, 26, 1098-1109.	1.3	64

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55	A High-Throughput Organoid Microinjection Platform to Study Gastrointestinal Microbiota and Luminal Physiology. Cellular and Molecular Gastroenterology and Hepatology, 2018, 6, 301-319.	4.5	168
56	Intra-species Genomic and Physiological Variability Impact Stress Resistance in Strains of Probiotic Potential. Frontiers in Microbiology, 2018, 9, 242.	3.5	27
57	Abstract 3266: Measurement and comparison of the gut microbial communities in fecal, rectal swab, and mucosal samples. , 2018, , .		0
58	A Novel Galacto-Oligosaccharide (RP-G28) Promotes Beneficial Adaptations to the Human Gut Microbiome in Patients With Lactose Intolerance. American Journal of Gastroenterology, 2018, 113, S268.	0.4	0
59	Genome Sequences of Potential Probiotic Lactobacillus rhamnosus Isolates from Human Infants. Genome Announcements, 2017, 5, .	0.8	9
60	742. Gut Microbiome and Brain Functional Connectivity in Infants: A Preliminary Study Focusing on the Amygdala. Biological Psychiatry, 2017, 81, S300-S301.	1.3	1
61	Reassessment of the succession of lactic acid bacteria in commercial cucumber fermentations and physiological and genomic features associated with their dominance. Food Microbiology, 2017, 63, 217-227.	4.2	43
62	Intestinal Epithelial Sirtuin 1 Regulates Intestinal Inflammation During Aging in Mice by Altering the Intestinal Microbiota. Gastroenterology, 2017, 153, 772-786.	1.3	123
63	Impact of short-chain galactooligosaccharides on the gut microbiome of lactose-intolerant individuals. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E367-E375.	7.1	193
64	A preliminary examination of gut microbiota, sleep, and cognitive flexibility in healthy older adults. Sleep Medicine, 2017, 38, 104-107.	1.6	116
65	Preliminary Evidence for an Association Between the Composition of the Gut Microbiome and Cognitive Function in Neurologically Healthy Older Adults. Journal of the International Neuropsychological Society, 2017, 23, 700-705.	1.8	77
66	Shaping functional gut microbiota using dietary bioactives to reduce colon cancer risk. Seminars in Cancer Biology, 2017, 46, 191-204.	9.6	45
67	The Salivary Microbiome and Oral Cancer Risk: A Pilot Study in Fanconi Anemia. Journal of Dental Research, 2017, 96, 292-299.	5.2	50
68	Oral colostrum priming shortens hospitalization without changing the immunomicrobial milieu. Journal of Perinatology, 2017, 37, 36-41.	2.0	37
69	A comparison of sequencing platforms and bioinformatics pipelines for compositional analysis of the gut microbiome. BMC Microbiology, 2017, 17, 194.	3.3	196
70	The oral bacterial microbiome of occlusal surfaces in children and its association with diet and caries. PLoS ONE, 2017, 12, e0180621.	2.5	55
71	Modeling human enteric dysbiosis and rotavirus immunity in gnotobiotic pigs. Gut Pathogens, 2016, 8, 51.	3.4	56
72	21: Maternal gut microbiome, obesity and gestational weight gain. American Journal of Obstetrics and Gynecology, 2016, 215, S836.	1.3	0

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73	Sa1986 Impact of Short-Chain Galactooligosaccharides on the Gut Microbiome of Lactose Intolerant Individuals. <i>Gastroenterology</i> , 2016, 150, S424.	1.3	0
74	Bacterial Ecology of Fermented Cucumber Rising pH Spoilage as Determined by Nonculture-Based Methods. <i>Journal of Food Science</i> , 2016, 81, M121-9.	3.1	41
75	Emerging Technologies for Gut Microbiome Research. <i>Trends in Microbiology</i> , 2016, 24, 887-901.	7.7	148
76	High purity galacto-oligosaccharides enhance specific <i>Bifidobacterium</i> species and their metabolic activity in the mouse gut microbiome. <i>Beneficial Microbes</i> , 2016, 7, 247-264.	2.4	85
77	Milk- and solid-feeding practices and daycare attendance are associated with differences in bacterial diversity, predominant communities, and metabolic and immune function of the infant gut microbiome. <i>Frontiers in Cellular and Infection Microbiology</i> , 2015, 5, 3.	3.9	174
78	Polyphenol-rich sorghum brans alter colon microbiota and impact species diversity and species richness after multiple bouts of dextran sodium sulfate-induced colitis. <i>FEMS Microbiology Ecology</i> , 2015, 91, .	2.7	66
79	Comparison of Bacterial Community Composition of Primary and Persistent Endodontic Infections Using Pyrosequencing. <i>Journal of Endodontics</i> , 2015, 41, 1226-1233.	3.1	86
80	Characterization of the microbial diversity in yacon spontaneous fermentation at 20°C. <i>International Journal of Food Microbiology</i> , 2015, 203, 35-40.	4.7	15
81	Gut microbiome compositional and functional differences between tumor and non-tumor adjacent tissues from cohorts from the US and Spain. <i>Gut Microbes</i> , 2015, 6, 161-172.	9.8	98
82	Use of the second-generation antipsychotic, risperidone, and secondary weight gain are associated with an altered gut microbiota in children. <i>Translational Psychiatry</i> , 2015, 5, e652-e652.	4.8	154
83	Gut Microbiome Composition in Young Nicaraguan Children During Diarrhea Episodes and Recovery. <i>American Journal of Tropical Medicine and Hygiene</i> , 2015, 93, 1187-1193.	1.4	30
84	Galacto-oligosaccharides and colorectal cancer: Feeding our intestinal probiome. <i>Journal of Functional Foods</i> , 2015, 12, 92-108.	3.4	92
85	Space Environmental Factor Impacts upon Murine Colon Microbiota and Mucosal Homeostasis. <i>PLoS ONE</i> , 2015, 10, e0125792.	2.5	73
86	427: Maternal antibiotic exposure, diet, and milk microbiome diversity. <i>American Journal of Obstetrics and Gynecology</i> , 2014, 210, S216.	1.3	2
87	Tu1967 Microbiome Alterations of Lactose Intolerant Individuals in Response to Dietary Intervention With Galacto-Oligosaccharides May Help Negate Symptoms of Lactose Intolerance. <i>Gastroenterology</i> , 2013, 144, S-893.	1.3	6
88	Comparative phenotypic analysis and genome sequence of <i>Clostridium beijerinckii</i> SA-1, an offspring of NCIMB 8052. <i>Microbiology (United Kingdom)</i> , 2013, 159, 2558-2570.	1.8	17
89	<i>Fusobacterium</i> spp. and colorectal cancer: cause or consequence?. <i>Trends in Microbiology</i> , 2013, 21, 506-508.	7.7	59
90	<i>Fusobacterium</i> Is Associated with Colorectal Adenomas. <i>PLoS ONE</i> , 2013, 8, e53653.	2.5	459

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91	Diet Complexity and Estrogen Receptor β Status Affect the Composition of the Murine Intestinal Microbiota. <i>Applied and Environmental Microbiology</i> , 2013, 79, 5763-5773.	3.1	115
92	Heterologous Expression of a Bioactive β -Hexosyltransferase, an Enzyme Producer of Prebiotics, from <i>Sporobolomyces singularis</i> . <i>Applied and Environmental Microbiology</i> , 2013, 79, 1241-1249.	3.1	13
93	Impact of Ileocecal Resection and Concomitant Antibiotics on the Microbiome of the Murine Jejunum and Colon. <i>PLoS ONE</i> , 2013, 8, e73140.	2.5	54
94	Novel sorghum brans containing bioactive compounds alter colon microbiota in response to a DSS-induced chronic inflammatory state. <i>FASEB Journal</i> , 2013, 27, 247.2.	0.5	1
95	The intestinal microbiota, gastrointestinal environment and colorectal cancer: a putative role for probiotics in prevention of colorectal cancer?. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 301, G401-G424.	3.4	201
96	Construction of vectors for inducible and constitutive gene expression in <i>Lactobacillus</i> . <i>Microbial Biotechnology</i> , 2011, 4, 357-367.	4.2	50
97	Acute necrotizing enterocolitis of preterm piglets is characterized by dysbiosis of ileal mucosa-associated bacteria. <i>Gut Microbes</i> , 2011, 2, 234-243.	9.8	61
98	Role of Antioxidant Enzymes in Bacterial Resistance to Organic Acids. <i>Applied and Environmental Microbiology</i> , 2010, 76, 2747-2753.	3.1	75
99	W1839 Radiation Induces a Dysbiosis of the Murine Fecal Microbiota. <i>Gastroenterology</i> , 2010, 138, S-750-S-751.	1.3	0
100	Development and Application of a λ -Based Counterselective Gene Replacement System for the Study of the S-Layer Protein SlpX of <i>Lactobacillus acidophilus</i> NCFM. <i>Applied and Environmental Microbiology</i> , 2009, 75, 3093-3105.	3.1	141
101	Role of autoinducer-2 on the adhesion ability of <i>Lactobacillus acidophilus</i> . <i>Journal of Applied Microbiology</i> , 2009, 107, 269-279.	3.1	70
102	Temporal gene expression and probiotic attributes of <i>Lactobacillus acidophilus</i> during growth in milk. <i>Journal of Dairy Science</i> , 2009, 92, 870-886.	3.4	53
103	Genome Sequence and Characteristics of Lrm1, a Prophage from Industrial <i>Lactobacillus rhamnosus</i> Strain M1. <i>Applied and Environmental Microbiology</i> , 2008, 74, 4601-4609.	3.1	34
104	Analysis of the Genome Sequence of <i>Lactobacillus gasseri</i> ATCC 33323 Reveals the Molecular Basis of an Autochthonous Intestinal Organism. <i>Applied and Environmental Microbiology</i> , 2008, 74, 4610-4625.	3.1	152
105	Characterization of a Novel Bile-Inducible Operon Encoding a Two-Component Regulatory System in <i>Lactobacillus acidophilus</i> . <i>Journal of Bacteriology</i> , 2007, 189, 4624-4634.	2.2	143
106	Influence of the Dairy Environment on Gene Expression and Substrate Utilization in Lactic Acid Bacteria1, .. <i>Journal of Nutrition</i> , 2007, 137, 748S-750S.	2.9	29
107	Transcriptional and Functional Analysis of Oxalyl-Coenzyme A (CoA) Decarboxylase and Formyl-CoA Transferase Genes from <i>Lactobacillus acidophilus</i> . <i>Applied and Environmental Microbiology</i> , 2006, 72, 1891-1899.	3.1	75
108	Global analysis of carbohydrate utilization by <i>Lactobacillus acidophilus</i> using cDNA microarrays. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 3816-3821.	7.1	185

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109	Genomic features of lactic acid bacteria effecting bioprocessing and health. FEMS Microbiology Reviews, 2005, 29, 393-409.	8.6	176
110	Marker-free chromosomal integration of the manganese superoxide dismutase gene (sodA) from <i>Streptococcus thermophilus</i> into <i>Lactobacillus gasseri</i> . FEMS Microbiology Letters, 2005, 246, 91-101.	1.8	28
111	Genomic Perspectives on Probiotic Lactic Acid Bacteria. Bioscience and Microflora, 2005, 24, 31-33.	0.5	3
112	Microarray Analysis of a Two-Component Regulatory System Involved in Acid Resistance and Proteolytic Activity in <i>Lactobacillus acidophilus</i> . Applied and Environmental Microbiology, 2005, 71, 5794-5804.	3.1	120
113	Complete genome sequence of the probiotic lactic acid bacterium <i>Lactobacillus acidophilus</i> NCFM. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 3906-3912.	7.1	565
114	Genomic features of lactic acid bacteria effecting bioprocessing and health. FEMS Microbiology Reviews, 2005, 29, 393-409.	8.6	101
115	Identification and Inactivation of Genetic Loci Involved with <i>Lactobacillus acidophilus</i> Acid Tolerance. Applied and Environmental Microbiology, 2004, 70, 5315-5322.	3.1	144
116	Sequence analysis of pLBB1, a cryptic plasmid from <i>Lactobacillus delbrueckii</i> subsp. <i>bulgaricus</i> . Canadian Journal of Microbiology, 2002, 48, 105-112.	1.7	8
117	Problems with Genetically Modified Foods. , 2001, , 481-484.		0
118	Methods for Plasmid and Genomic DNA Isolation from <i>Lactobacilli</i> . , 2001, , 135-139.		7
119	Deoxyribonuclease activities in <i>Lactobacillus delbrueckii</i> . Microbiological Research, 2000, 155, 101-106.	5.3	3
120	Genomics of Lactic Acid Bacteria: The Post-Genomics Challenge-From Sequence to Function. , 0, , 35-56.		3
121	Giving Good Bacteria to Chickens to Keep Humans From Getting Sick. Frontiers for Young Minds, 0, 9, .	0.8	0