

Maria Cruz Martin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8126806/publications.pdf>

Version: 2024-02-01

90
papers

3,697
citations

101496

36
h-index

138417

58
g-index

90
all docs

90
docs citations

90
times ranked

3321
citing authors

#	ARTICLE	IF	CITATIONS
1	Conjugative DNA Transfer From <i>E. coli</i> to Transformation-Resistant <i>Lactobacilli</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 606629.	1.5	8
2	The biogenic amine tryptamine, unlike Î²-phenylethylamine, shows in vitro cytotoxicity at concentrations that have been found in foods. <i>Food Chemistry</i> , 2020, 331, 127303.	4.2	42
3	Histamine production in <i>Lactobacillus vaginalis</i> improves cell survival at low pH by counteracting the acidification of the cytosol. <i>International Journal of Food Microbiology</i> , 2020, 321, 108548.	2.1	17
4	Construction and characterization of a double mutant of <i>Enterococcus faecalis</i> that does not produce biogenic amines. <i>Scientific Reports</i> , 2019, 9, 16881.	1.6	2
5	The biogenic amines putrescine and cadaverine show in vitro cytotoxicity at concentrations that can be found in foods. <i>Scientific Reports</i> , 2019, 9, 120.	1.6	126
6	<i>Enterococcus faecalis</i> Bacteriophage 156 Is an Effective Biotechnological Tool for Reducing the Presence of Tyramine and Putrescine in an Experimental Cheese Model. <i>Frontiers in Microbiology</i> , 2019, 10, 566.	1.5	19
7	Lactic Acid Bacteria as a Live Delivery System for the in situ Production of Nanobodies in the Human Gastrointestinal Tract. <i>Frontiers in Microbiology</i> , 2019, 9, .	1.5	21
8	<i>Lactobacillus rossiae</i> strain isolated from sourdough produces putrescine from arginine. <i>Scientific Reports</i> , 2018, 8, 3989.	1.6	27
9	<i>Lactobacillus parabuchneri</i> produces histamine in refrigerated cheese at a temperature-dependent rate. <i>International Journal of Food Science and Technology</i> , 2018, 53, 2342-2348.	1.3	19
10	Spermine and spermidine are cytotoxic towards intestinal cell cultures, but are they a health hazard at concentrations found in foods?. <i>Food Chemistry</i> , 2018, 269, 321-326.	4.2	40
11	A UHPLC method for the simultaneous analysis of biogenic amines, amino acids and ammonium ions in beer. <i>Food Chemistry</i> , 2017, 217, 117-124.	4.2	61
12	The dietary biogenic amines tyramine and histamine show synergistic toxicity towards intestinal cells in culture. <i>Food Chemistry</i> , 2017, 218, 249-255.	4.2	115
13	The Relationship among Tyrosine Decarboxylase and Agmatine Deiminase Pathways in <i>Enterococcus faecalis</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 2107.	1.5	16
14	Q69 (an <i>E. faecalis</i> -Infecting Bacteriophage) As a Biocontrol Agent for Reducing Tyramine in Dairy Products. <i>Frontiers in Microbiology</i> , 2016, 7, 445.	1.5	28
15	Biofilm-Forming Capacity in Biogenic Amine-Producing Bacteria Isolated from Dairy Products. <i>Frontiers in Microbiology</i> , 2016, 7, 591.	1.5	39
16	Putrescine production by <i>Lactococcus lactis</i> subsp. <i>cremoris</i> CECT 8666 is reduced by NaCl via a decrease in bacterial growth and the repression of the genes involved in putrescine production. <i>International Journal of Food Microbiology</i> , 2016, 232, 1-6.	2.1	16
17	Transcriptome profiling of TDC cluster deletion mutant of <i>Enterococcus faecalis</i> V583. <i>Genomics Data</i> , 2016, 9, 67-69.	1.3	7
18	Data on recovery of 21 amino acids, 9 biogenic amines and ammonium ions after spiking four different beers with five concentrations of these analytes. <i>Data in Brief</i> , 2016, 9, 398-400.	0.5	2

#	ARTICLE	IF	CITATIONS
19	Putrescine biosynthesis in <i>Lactococcus lactis</i> is transcriptionally activated at acidic pH and counteracts acidification of the cytosol. <i>International Journal of Food Microbiology</i> , 2016, 236, 83-89.	2.1	15
20	Nucleotide sequence alignment of <i>hdcA</i> from Gram-positive bacteria. <i>Data in Brief</i> , 2016, 6, 674-679.	0.5	5
21	Histamine-producing <i>Lactobacillus parabuchneri</i> strains isolated from grated cheese can form biofilms on stainless steel. <i>Food Microbiology</i> , 2016, 59, 85-91.	2.1	35
22	Screening sourdough samples for gliadin-degrading activity revealed <i>Lactobacillus casei</i> strains able to individually metabolize the coeliac-disease-related 33-mer peptide. <i>Canadian Journal of Microbiology</i> , 2016, 62, 422-430.	0.8	4
23	Comparative analysis of the in vitro cytotoxicity of the dietary biogenic amines tyramine and histamine. <i>Food Chemistry</i> , 2016, 197, 658-663.	4.2	154
24	A PCR-DGGE method for the identification of histamine-producing bacteria in cheese. <i>Food Control</i> , 2016, 63, 216-223.	2.8	55
25	Transcriptome profiling of <i>Lactococcus lactis</i> subsp. <i>cremoris</i> CECT 8666 in response to agmatine. <i>Genomics Data</i> , 2016, 7, 112-114.	1.3	4
26	Mastitis Modifies the Biogenic Amines Profile in Human Milk, with Significant Changes in the Presence of Histamine, Putrescine and Spermine. <i>PLoS ONE</i> , 2016, 11, e0162426.	1.1	14
27	Transcriptomic profile of <i>aguR</i> deletion mutant of <i>Lactococcus lactis</i> subsp. <i>cremoris</i> CECT 8666. <i>Genomics Data</i> , 2015, 6, 228-230.	1.3	3
28	Implementation of the agmatine-controlled expression system for inducible gene expression in <i>Lactococcus lactis</i> . <i>Microbial Cell Factories</i> , 2015, 14, 208.	1.9	19
29	<i>AguR</i> , a Transmembrane Transcription Activator of the Putrescine Biosynthesis Operon in <i>Lactococcus lactis</i> , Acts in Response to the Agmatine Concentration. <i>Applied and Environmental Microbiology</i> , 2015, 81, 6145-6157.	1.4	20
30	An Exopolysaccharide-Deficient Mutant of <i>Lactobacillus rhamnosus</i> GG Efficiently Displays a Protective Llama Antibody Fragment against Rotavirus on Its Surface. <i>Applied and Environmental Microbiology</i> , 2015, 81, 5784-5793.	1.4	24
31	Tyramine biosynthesis is transcriptionally induced at low pH and improves the fitness of <i>Enterococcus faecalis</i> in acidic environments. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 3547-3558.	1.7	67
32	Genetic and functional analysis of biogenic amine production capacity among starter and non-starter lactic acid bacteria isolated from artisanal cheeses. <i>European Food Research and Technology</i> , 2015, 241, 377-383.	1.6	46
33	IS ₂₅₆ abolishes gelatinase activity and biofilm formation in a mutant of the nosocomial pathogen <i>Enterococcus faecalis</i> V583. <i>Canadian Journal of Microbiology</i> , 2015, 61, 517-519.	0.8	20
34	Isolation and typification of histamine-producing <i>Lactobacillus vaginalis</i> strains from cheese. <i>International Journal of Food Microbiology</i> , 2015, 215, 117-123.	2.1	38
35	Lactose-mediated carbon catabolite repression of putrescine production in dairy <i>Lactococcus lactis</i> is strain dependent. <i>Food Microbiology</i> , 2015, 48, 163-170.	2.1	26
36	Draft Genome Sequence of the Putrescine-Producing Strain <i>Lactococcus lactis</i> subsp. <i>lactis</i> 1AA59. <i>Genome Announcements</i> , 2015, 3, .	0.8	0

#	ARTICLE	IF	CITATIONS
37	The use of the replication region of plasmid pRS7 from <i>Oenococcus oeni</i> as a putative tool to generate cloning vectors for lactic acid bacteria. <i>Plasmid</i> , 2015, 77, 28-31.	0.4	4
38	Putrescine production via the agmatine deiminase pathway increases the growth of <i>Lactococcus lactis</i> and causes the alkalization of the culture medium. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 897-905.	1.7	40
39	Solubilization of gliadins for use as a source of nitrogen in the selection of bacteria with gliadinase activity. <i>Food Chemistry</i> , 2015, 168, 439-444.	4.2	5
40	Genome Sequence Analysis of the Biogenic Amine-Producing Strain <i>Lactococcus lactis</i> subsp. <i>cremoris</i> CECT 8666 (Formerly GE2-14). <i>Genome Announcements</i> , 2014, 2, .	0.8	9
41	An agmatine-inducible system for the expression of recombinant proteins in <i>Enterococcus faecalis</i> . <i>Microbial Cell Factories</i> , 2014, 13, 169.	1.9	22
42	Genome Sequence Analysis of the Biogenic Amine-Degrading Strain <i>Lactobacillus casei</i> 5b. <i>Genome Announcements</i> , 2014, 2, .	0.8	8
43	Generation of food-grade recombinant <i>Lactobacillus casei</i> delivering <i>Myxococcus xanthus</i> prolyl endopeptidase. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 6689-6700.	1.7	21
44	Molecular basis of antimicrobial drug resistance in <i>Staphylococcus aureus</i> isolates recovered from young healthy carriers in Spain. <i>Microbial Pathogenesis</i> , 2014, 74, 8-14.	1.3	15
45	A fast, reliable, ultra high performance liquid chromatography method for the simultaneous determination of amino acids, biogenic amines and ammonium ions in cheese, using diethyl ethoxymethylenemalonate as a derivatising agent. <i>Food Chemistry</i> , 2013, 139, 1029-1035.	4.2	126
46	Sero- and genotyping of <i>Salmonella</i> in slaughter pigs, from farm to cutting plant, with a focus on the slaughter process. <i>International Journal of Food Microbiology</i> , 2013, 161, 44-52.	2.1	26
47	The putrescine biosynthesis pathway in <i>Lactococcus lactis</i> is transcriptionally regulated by carbon catabolic repression, mediated by CcpA. <i>International Journal of Food Microbiology</i> , 2013, 165, 43-50.	2.1	30
48	Draft Genome Sequence of the Tyramine Producer <i>Enterococcus durans</i> Strain IPLA 655. <i>Genome Announcements</i> , 2013, 1, .	0.8	11
49	Draft Genome Sequence of <i>Lactobacillus plantarum</i> Strain IPLA 88. <i>Genome Announcements</i> , 2013, 1, .	0.8	5
50	Factors Influencing Biogenic Amines Accumulation in Dairy Products. <i>Frontiers in Microbiology</i> , 2012, 3, 180.	1.5	193
51	Multiplex qPCR for the detection and quantification of putrescine-producing lactic acid bacteria in dairy products. <i>Food Control</i> , 2012, 27, 307-313.	2.8	58
52	Is the production of the biogenic amines tyramine and putrescine a species-level trait in enterococci?. <i>Food Microbiology</i> , 2012, 30, 132-138.	2.1	167
53	<i>Lactobacillus casei</i> strains isolated from cheese reduce biogenic amine accumulation in an experimental model. <i>International Journal of Food Microbiology</i> , 2012, 157, 297-304.	2.1	76
54	The tyrosyl-tRNA synthetase like gene located in the tyramine biosynthesis cluster of <i>Enterococcus durans</i> transcriptionally regulated by tyrosine concentration and extracellular pH. <i>BMC Microbiology</i> , 2012, 12, 23.	1.3	17

#	ARTICLE	IF	CITATIONS
55	Sequencing and Transcriptional Analysis of the Biosynthesis Gene Cluster of Putrescine-Producing <i>Lactococcus lactis</i> . <i>Applied and Environmental Microbiology</i> , 2011, 77, 6409-6418.	1.4	74
56	Biogenic Amines in Dairy Products. <i>Critical Reviews in Food Science and Nutrition</i> , 2011, 51, 691-703.	5.4	303
57	qPCR as a powerful tool for microbial food spoilage quantification: Significance for food quality. <i>Trends in Food Science and Technology</i> , 2011, 22, 367-376.	7.8	46
58	Biogenic amines content in Spanish and French natural ciders: Application of qPCR for quantitative detection of biogenic amine-producers. <i>Food Microbiology</i> , 2011, 28, 554-561.	2.1	50
59	Comparative Phenotypic and Molecular Genetic Profiling of Wild <i>Lactococcus lactis</i> subsp. <i>lactis</i> Strains of the <i>L. lactis</i> subsp. <i>lactis</i> and <i>L. lactis</i> subsp. <i>cremoris</i> Genotypes, Isolated from Starter-Free Cheeses Made of Raw Milk. <i>Applied and Environmental Microbiology</i> , 2011, 77, 5324-5335.	1.4	82
60	Integrative Expression System for Delivery of Antibody Fragments by <i>Lactobacilli</i> . <i>Applied and Environmental Microbiology</i> , 2011, 77, 2174-2179.	1.4	45
61	Extraction of RNA from fermented milk products for in situ gene expression analysis. <i>Analytical Biochemistry</i> , 2010, 400, 307-309.	1.1	8
62	qPCR for quantitative detection of tyramine-producing bacteria in dairy products. <i>Food Research International</i> , 2010, 43, 289-295.	2.9	62
63	A novel real-time polymerase chain reaction-based method for the detection and quantification of lactose-fermenting <i>Enterobacteriaceae</i> in the dairy and other food industries. <i>Journal of Dairy Science</i> , 2010, 93, 860-867.	1.4	21
64	Clonal Complexes and Diversity of Exotoxin Gene Profiles in Methicillin-Resistant and Methicillin-Susceptible <i>Staphylococcus aureus</i> Isolates from Patients in a Spanish Hospital. <i>Journal of Clinical Microbiology</i> , 2009, 47, 2097-2105.	1.8	42
65	Tyramine biosynthesis in <i>Enterococcus durans</i> is transcriptionally regulated by the extracellular pH and tyrosine concentration. <i>Microbial Biotechnology</i> , 2009, 2, 625-633.	2.0	48
66	Fast real-time polymerase chain reaction for quantitative detection of <i>Lactobacillus delbrueckii</i> bacteriophages in milk. <i>Food Microbiology</i> , 2008, 25, 978-982.	2.1	18
67	Multiplex Fast Real-Time PCR for Quantitative Detection and Identification of <i>cos</i> - and <i>pac</i> -Type <i>Streptococcus thermophilus</i> Bacteriophages. <i>Applied and Environmental Microbiology</i> , 2008, 74, 4779-4781.	1.4	34
68	<i>Neisseria gonorrhoeae</i> Meningitis in Pregnant Adolescent. <i>Emerging Infectious Diseases</i> , 2008, 14, 1672-1674.	2.0	11
69	Heterologous expression of enterocin AS-48 in several strains of lactic acid bacteria. <i>Journal of Applied Microbiology</i> , 2007, 102, 1350-1361.	1.4	38
70	Multiplex PCR for the detection and identification of dairy bacteriophages in milk. <i>Food Microbiology</i> , 2007, 24, 75-81.	2.1	72
71	Large Conjugative Plasmids from Clinical Strains of <i>Salmonella enterica</i> Serovar Virchow Contain a Class 2 Integron in Addition to Class 1 Integrons and Several Non-Integron-Associated Drug Resistance Determinants. <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 1603-1607.	1.4	17
72	PCR Identification of Lysogenic <i>Lactococcus lactis</i> Strains. <i>Journal Fur Verbraucherschutz Und Lebensmittelsicherheit</i> , 2006, 1, 121-124.	0.5	11

#	ARTICLE	IF	CITATIONS
73	Class 1 and class 2 integrons in non-prevalent serovars of <i>Salmonella enterica</i> : structure and association with transposons and plasmids. <i>Journal of Antimicrobial Chemotherapy</i> , 2006, 58, 1124-1132.	1.3	33
74	Enterotoxins and toxic shock syndrome toxin in <i>Staphylococcus aureus</i> recovered from human nasal carriers and manually handled foods: epidemiological and genetic findings. <i>Microbes and Infection</i> , 2005, 7, 187-194.	1.0	51
75	Relationships between toxin gene content and genetic background in nasal carried isolates of <i>Staphylococcus aureus</i> from Asturias, Spain. <i>FEMS Microbiology Letters</i> , 2005, 243, 447-454.	0.7	31
76	Cytotoxin and Pyrogenic Toxin Superantigen Gene Profiles of <i>Staphylococcus aureus</i> Associated with Subclinical Mastitis in Dairy Cows and Relationships with Macrorestriction Genomic Profiles. <i>Journal of Clinical Microbiology</i> , 2005, 43, 1278-1284.	1.8	75
77	Sequencing, characterization and transcriptional analysis of the histidine decarboxylase operon of <i>Lactobacillus buchneri</i> . <i>Microbiology (United Kingdom)</i> , 2005, 151, 1219-1228.	0.7	66
78	Detection and Characterization of <i>Streptococcus thermophilus</i> Bacteriophages by Use of the Antireceptor Gene Sequence. <i>Applied and Environmental Microbiology</i> , 2005, 71, 6096-6103.	1.4	63
79	<i>Streptomyces albus</i> Isolated from a Human Actinomycetoma and Characterized by Molecular Techniques. <i>Journal of Clinical Microbiology</i> , 2004, 42, 5957-5960.	1.8	26
80	Genetic procedures for identification of enterotoxigenic strains of <i>Staphylococcus aureus</i> from three food poisoning outbreaks. <i>International Journal of Food Microbiology</i> , 2004, 94, 279-286.	2.1	62
81	Nisin-controlled expression of Norwalk virus VP60 protein in. <i>FEMS Microbiology Letters</i> , 2004, 237, 385-391.	0.7	16
82	Distinctive human and swine strains of <i>Salmonella enterica</i> serotype Wien carry large self-transferable R-plasmids. A plasmid contains a class 1-qacE1'1â€“sul1 integron with the dfrA1â€“aadA1a cassette configuration. <i>Food Microbiology</i> , 2003, 20, 9-16.	2.1	6
83	Usefulness of a two-step PCR procedure for detection and identification of enterotoxigenic staphylococci of bacterial isolates and food samples. <i>Food Microbiology</i> , 2003, 20, 605-610.	2.1	31
84	Septicaemia due to <i>Corynebacterium striatum</i> : molecular confirmation of entry via the skin. <i>Journal of Medical Microbiology</i> , 2003, 52, 599-602.	0.7	39
85	Chorioamnionitis and Neonatal Septicaemia Caused by <i>Eikenella corrodens</i> . <i>Journal of Infection</i> , 2002, 44, 133-134.	1.7	17
86	<i>Salmonella</i> serotype Virchow causing salmonellosis in a Spanish region. Characterization and survey of clones by DNA fingerprinting, phage typing and antimicrobial resistance. <i>European Journal of Epidemiology</i> , 2001, 17, 31-40.	2.5	16
87	Enterotoxin production and DNA fingerprinting in <i>Staphylococcus aureus</i> isolated from human and food samples. Relations between genetic types and enterotoxins. <i>International Journal of Food Microbiology</i> , 2001, 67, 139-145.	2.1	53
88	Generation of Food-Grade Recombinant Lactic Acid Bacterium Strains by Site-Specific Recombination. <i>Applied and Environmental Microbiology</i> , 2000, 66, 2599-2604.	1.4	69
89	Structural elements of the <i>Streptomyces oriC</i> region and their interactions with the DnaA protein. <i>Microbiology (United Kingdom)</i> , 1998, 144, 1281-1290.	0.7	66
90	Genetic typing methods applied to the differentiation of clonal lines among <i>Salmonella enterica</i> serogroup G strains causing human salmonellosis. <i>FEMS Immunology and Medical Microbiology</i> , 1997, 19, 215-221.	2.7	8