

Jaime Garcia-Mena

List of Publications by Year in descending order

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92
papers

2,418
citations

201385

27
h-index

223531

46
g-index

96
all docs

96
docs citations

96
times ranked

4413
citing authors

#	ARTICLE	IF	CITATIONS
1	Intestinal Dysbiosis and Rheumatoid Arthritis: A Link between Gut Microbiota and the Pathogenesis of Rheumatoid Arthritis. <i>Journal of Immunology Research</i> , 2017, 2017, 1-13.	0.9	202
2	Gut microbiome production of short-chain fatty acids and obesity in children. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2018, 37, 621-625.	1.3	139
3	Gut Microbiota and Predicted Metabolic Pathways in a Sample of Mexican Women Affected by Obesity and Obesity Plus Metabolic Syndrome. <i>International Journal of Molecular Sciences</i> , 2019, 20, 438.	1.8	129
4	Genome-wide association study of type 2 diabetes in a sample from Mexico City and a meta-analysis of a Mexican-American sample from Starr County, Texas. <i>Diabetologia</i> , 2011, 54, 2038-2046.	2.9	114
5	Study of the diversity and short-chain fatty acids production by the bacterial community in overweight and obese Mexican children. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2015, 34, 1337-1346.	1.3	114
6	Bipartite function of a small RNA hairpin in transcription antitermination in bacteriophage lambda.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 4061-4065.	3.3	105
7	Candidate gene association study conditioning on individual ancestry in patients with type 2 diabetes and metabolic syndrome from Mexico City. <i>Diabetes/Metabolism Research and Reviews</i> , 2010, 26, 261-270.	1.7	98
8	Beneficial effect of a high number of copies of salivary amylase AMY1 gene on obesity risk in Mexican children. <i>Diabetologia</i> , 2015, 58, 290-294.	2.9	89
9	Gut Microbiota and Endothelial Dysfunction Markers in Obese Mexican Children and Adolescents. <i>Nutrients</i> , 2018, 10, 2009.	1.7	82
10	The gut microbiome of Mexican children affected by obesity. <i>Anaerobe</i> , 2019, 55, 11-23.	1.0	71
11	Recognition of the 70S ribosome and polysome by the RNA degradosome in <i>Escherichia coli</i> . <i>Nucleic Acids Research</i> , 2012, 40, 10417-10431.	6.5	60
12	Methylation Landscape of Human Breast Cancer Cells in Response to Dietary Compound Resveratrol. <i>PLoS ONE</i> , 2016, 11, e0157866.	1.1	57
13	Analysis of the contribution of FTO, NPC1, ENPP1, NEGR1, GNPDA2 and MC4R genes to obesity in Mexican children. <i>BMC Medical Genetics</i> , 2013, 14, 21.	2.1	55
14	Interaction between the phage HK022 Nun protein and the nut RNA of phage lambda.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 12131-12135.	3.3	52
15	A Replication Study of the IRS1, CAPN10, TCF7L2, and PPARC Gene Polymorphisms Associated with Type 2 Diabetes in Two Different Populations of Mexico. <i>Annals of Human Genetics</i> , 2011, 75, 612-620.	0.3	46
16	Characterization of the Gut Microbiota of Individuals at Different T2D Stages Reveals a Complex Relationship with the Host. <i>Microorganisms</i> , 2020, 8, 94.	1.6	44
17	A novel mutation in the KH domain of polynucleotide phosphorylase affects autoregulation and mRNA decay in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 1999, 33, 235-248.	1.2	43
18	Resveratrol induces downregulation of DNA repair genes in MCF-7 human breast cancer cells. <i>European Journal of Cancer Prevention</i> , 2013, 22, 11-20.	0.6	42

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19	A case report of newborn infant with severe COVID-19 in Mexico: Detection of SARS-CoV-2 in human breast milk and stool. <i>International Journal of Infectious Diseases</i> , 2020, 100, 21-24.	1.5	41
20	Resveratrol inhibits cell cycle progression by targeting Aurora kinase A and Polo-like kinase 1 in breast cancer cells. <i>Oncology Reports</i> , 2016, 35, 3696-3704.	1.2	38
21	Profiling of bacterial and fungal communities of Mexican cheeses by high throughput DNA sequencing. <i>Food Research International</i> , 2018, 113, 371-381.	2.9	38
22	Influence of moderate beer consumption on human gut microbiota and its impact on fasting glucose and β -cell function. <i>Alcohol</i> , 2020, 85, 77-94.	0.8	37
23	Aerobic biofilm reactor for treating a commercial formulation of the herbicides 2,4-D and dicamba: Biodegradation kinetics and biofilm bacterial diversity. <i>International Biodeterioration and Biodegradation</i> , 2016, 107, 123-131.	1.9	36
24	The KH and S1 domains of <i>Escherichia coli</i> polynucleotide phosphorylase are necessary for autoregulation and growth at low temperature. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2007, 1769, 194-203.	2.4	34
25	2,4,6-Trichlorophenol and phenol removal in methanogenic and partially-aerated methanogenic conditions in a fluidized bed bioreactor. <i>Journal of Chemical Technology and Biotechnology</i> , 2005, 80, 1180-1187.	1.6	33
26	Human milk microbiota associated with early colonization of the neonatal gut in Mexican newborns. <i>PeerJ</i> , 2020, 8, e9205.	0.9	32
27	Airborne Bacterial Diversity from the Low Atmosphere of Greater Mexico City. <i>Microbial Ecology</i> , 2016, 72, 70-84.	1.4	31
28	Spatial Memory and Gut Microbiota Alterations Are Already Present in Early Adulthood in a Pre-clinical Transgenic Model of Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2021, 15, 595583.	1.4	28
29	Resveratrol decreases Rad51 expression and sensitizes cisplatin-resistant MCF-7 breast cancer cells. <i>Oncology Reports</i> , 2018, 39, 3025-3033.	1.2	27
30	Gut Microbiota Alterations and Cognitive Impairment Are Sexually Dissociated in a Transgenic Mice Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2021, 82, S195-S214.	1.2	27
31	Association of polymorphisms within the transforming growth factor- β 1 gene with diabetic nephropathy and serum cholesterol and triglyceride concentrations. <i>Nephrology</i> , 2010, 15, 644-648.	0.7	26
32	Induction of p53 Phosphorylation at Serine 20 by Resveratrol Is Required to Activate p53 Target Genes, Restoring Apoptosis in MCF-7 Cells Resistant to Cisplatin. <i>Nutrients</i> , 2018, 10, 1148.	1.7	24
33	OIL-REMOVAL ENHANCEMENT IN MEDIA WITH KERATINOUS OR CHITINOUS WASTES BY HYDROCARBON-DEGRADING BACTERIA ISOLATED FROM OIL-POLLUTED SOILS. <i>Environmental Technology (United Kingdom)</i> , 2008, 29, 171-182.	1.2	20
34	Comparison of biohydrogen production in fluidized bed bioreactors at room temperature and 35°C. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 12570-12579.	3.8	20
35	Components of multiprotein-RNA complex that controls transcription elongation in <i>Escherichia coli</i> phage lambda. <i>Methods in Enzymology</i> , 1996, 274, 374-402.	0.4	19
36	Microbial diversity assessment of polychlorinated biphenyl-contaminated soils and the biostimulation and bioaugmentation processes. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 118.	1.3	19

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37	Energy analysis of in-series biohydrogen and methane production from organic wastes. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 16587-16594.	3.8	18
38	DNA methylation data for identification of epigenetic targets of resveratrol in triple negative breast cancer cells. <i>Data in Brief</i> , 2017, 11, 169-182.	0.5	18
39	Association of $\beta 1$ and $\beta 3$ adrenergic receptors gene polymorphisms with insulin resistance and high lipid profiles related to type 2 diabetes and metabolic syndrome. <i>Nutricion Hospitalaria</i> , 2014, 29, 1327-34.	0.2	17
40	Influence of discontinuing feeding degradable cosubstrate on the performance of a fluidized bed bioreactor treating a mixture of trichlorophenol and phenol. <i>Journal of Environmental Management</i> , 2012, 113, 527-537.	3.8	15
41	The assembly and distribution in vivo of the <i>Escherichia coli</i> RNA degradosome. <i>Biochimie</i> , 2013, 95, 2034-2041.	1.3	15
42	Kinetics of carbendazim degradation in a horizontal tubular biofilm reactor. <i>Bioprocess and Biosystems Engineering</i> , 2017, 40, 519-528.	1.7	15
43	Electricity generation from Nopal biogas effluent using a surface modified clay cup (cantarito) microbial fuel cell. <i>Heliyon</i> , 2019, 5, e01506.	1.4	15
44	Polynucleotide phosphorylase-based photometric assay for inorganic phosphate. <i>Analytical Biochemistry</i> , 2004, 327, 209-214.	1.1	14
45	Impact of long-term partial aeration on the removal of 2,4,6-trichlorophenol in an initially methanogenic fluidized bed bioreactor. <i>Biotechnology and Bioengineering</i> , 2006, 94, 949-960.	1.7	13
46	Polynucleotide phosphorylase binds to ssRNA with same affinity as to ssDNA. <i>Biochimie</i> , 2002, 84, 321-328.	1.3	12
47	rs12255372 Variant of TCF7L2 Gene Is Protective for Obesity in Mexican Children. <i>Archives of Medical Research</i> , 2011, 42, 495-501.	1.5	12
48	Removal of Congo Red from the aqueous phase by chitin and chitosan from waste shrimp. <i>Desalination and Water Treatment</i> , 2016, 57, 14674-14685.	1.0	12
49	Expression of a codon-optimized β -glucosidase from <i>Cellulomonas flavigena</i> PR-22 in <i>Saccharomyces cerevisiae</i> for bioethanol production from cellobiose. <i>Archives of Microbiology</i> , 2017, 199, 605-611.	1.0	12
50	Analysis of some phenotypic traits of feces-borne temperate lambdaoid bacteriophages from different immunity groups: a high incidence of $\text{cor}+$, FhuA -dependent phages. <i>Archives of Virology</i> , 2008, 153, 1271-1280.	0.9	10
51	Expression of candidate genes associated with obesity in peripheral white blood cells of Mexican children. <i>Archives of Medical Science</i> , 2016, 5, 968-976.	0.4	10
52	Association of CYP2C19 genotype with type 2 diabetes. <i>Health</i> , 2010, 02, 1184-1190.	0.1	10
53	The transcription of MGAT4A glycosyl transferase is increased in white cells of peripheral blood of Type 2 Diabetes patients. <i>BMC Genetics</i> , 2007, 8, 73.	2.7	9
54	Polynucleotide phosphorylase interacts with ribonuclease E through a β domain. <i>Biochimie</i> , 2006, 88, 725-735.	1.3	8

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55	The Influence of Holder Pasteurization on the Diversity of the Human Milk Bacterial Microbiota Using High-Throughput DNA Sequencing. <i>Journal of Human Lactation</i> , 2022, 38, 118-130.	0.8	8
56	Cheese whey as substrate of batch hydrogen production: Effect of temperature and addition of buffer. <i>Waste Management and Research</i> , 2014, 32, 434-440.	2.2	7
57	Performance of an Electrochemical Slurry Reactor for the Treatment of a Soil Contaminated with Lindane. <i>Journal of New Materials for Electrochemical Systems</i> , 2013, 16, 217-228.	0.3	7
58	Physical and Dietary Intervention with <i>Opuntia ficus-indica</i> (Nopal) in Women with Obesity Improves Health Condition through Gut Microbiota Adjustment. <i>Nutrients</i> , 2022, 14, 1008.	1.7	7
59	â€œBacterial consortium from hydrothermal vent sediments presents electrogenic activity achieved under sulfate reducing conditions in a microbial fuel cellâ€. <i>Journal of Environmental Health Science & Engineering</i> , 2020, 18, 1189-1205.	1.4	6
60	The Bacterial and Fungal Microbiota of the Mexican Rubiaceae Family Medicinal Plant <i>Bouvardia ternifolia</i> . <i>Microbial Ecology</i> , 2022, 84, 510-526.	1.4	6
61	Gut microbiota in a population highly affected by obesity and type 2 diabetes and susceptibility to COVID-19. <i>World Journal of Gastroenterology</i> , 2021, 27, 7065-7079.	1.4	6
62	Microbial Profile of the Leachate from Mexico Cityâ€™s Bordo Poniente Composting Plant: An Inoculum to Digest Organic Waste. <i>Energies</i> , 2019, 12, 2343.	1.6	5
63	Detection and Quantification of Immunoregulatory miRNAs in Human Milk and Infant Milk Formula. <i>BioTech</i> , 2022, 11, 11.	1.3	5
64	Current Insight into the Role of Gut Microbiota in Mexican Childhood Obesity. <i>SOJ Pharmacy & Pharmaceutical Sciences</i> , 2017, 4, 1-5.	0.1	4
65	Study of perinatal transmission of SARS-CoV-2 in a Mexican public hospital. <i>International Journal of Infectious Diseases</i> , 2021, 113, 225-232.	1.5	4
66	Vaginal Microbiota Is Stable and Mainly Dominated by <i>Lactobacillus</i> at Third Trimester of Pregnancy and Active Childbirth: A Longitudinal Study of Ten Mexican Women. <i>Current Microbiology</i> , 2022, 79, .	1.0	4
67	A PCR method for the detection and differentiation of <i>Lentinus edodes</i> and <i>Trametes versicolor</i> in defined-mixed cultures used for wastewater treatment. <i>Applied Microbiology and Biotechnology</i> , 2005, 67, 524-531.	1.7	3
68	CAPN10 mRNA splicing and decay is not affected by a SNP associated with susceptibility to type 2 diabetes. <i>Biochemical and Biophysical Research Communications</i> , 2007, 358, 831-836.	1.0	3
69	P450â€œaromatase mRNA is Expressed in the Corpus Luteum (CL) of the Nonâ€œPregnant Sheep and Goat: The Expression of the Enzyme is Present Throughout Pregnancy in the Goat CL. <i>Reproduction in Domestic Animals</i> , 2013, 48, 85-89.	0.6	3
70	Extracellular expression of glucose inhibition-resistant <i>Cellulomonas flavigena</i> PN-120 Î²-glucosidase by a diploid strain of <i>Saccharomyces cerevisiae</i> . <i>Archives of Microbiology</i> , 2014, 196, 25-33.	1.0	3
71	Ribonuclease PH interacts with an acidic ribonuclease E site through a basic 80-amino acid domain. <i>FEMS Microbiology Letters</i> , 2014, 355, 51-60.	0.7	3
72	The vaginal and fecal microbiota of a murine cervical carcinoma model under synergistic effect of 17Î²-Estradiol and E7 oncogene expression. <i>Microbial Pathogenesis</i> , 2021, 152, 104763.	1.3	3

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73	Genetic and Biochemical Strategies to Elucidate the Architecture and Targets of a Processive Transcription Antiterminator from Bacteriophage Lambda. <i>Methods in Enzymology</i> , 2003, 371, 438-459.	0.4	2
74	Assessment of the tolerance to Fe, Cu and Zn of a sulfidogenic sludge generated from hydrothermal vents sediments as a basis for its application on metals precipitation. <i>Molecular Biology Reports</i> , 2020, 47, 6165-6177.	1.0	2
75	Modulation of the microbiota-gut-brain axis by bioactive food, prebiotics, and probiotics decelerates the course of Alzheimer's disease. <i>Studies in Natural Products Chemistry</i> , 2021, , 51-86.	0.8	2
76	Variation of the Human Milk Bacterial Diversity during the Time of the Day. <i>Proceedings (mdpi)</i> , 2021, 66, .	0.2	2
77	Simulation and experimental validation of a gradient feeding system for fast assessment of the kinetic behavior of a microbial consortium in a tubular biofilm reactor. <i>Bioprocess and Biosystems Engineering</i> , 2019, 42, 17-27.	1.7	1
78	Characterization of the Plant-Associated Bacterial Microbiota of the Mexican Medicinal Species <i>Bouvardia ternifolia</i> . <i>Proceedings (mdpi)</i> , 2021, 66, .	0.2	1
79	Characterization of the Food Microbiota in Ready-to-Eat Mexican Foods. <i>Proceedings (mdpi)</i> , 2020, 66, 32.	0.2	1
80	Maternal IgA2 Recognizes Similar Fractions of Colostrum and Fecal Neonatal Microbiota. <i>Frontiers in Immunology</i> , 2021, 12, 712130.	2.2	1
81	A high-throughput DNA sequencing study of fecal bacteria of seven Mexican horse breeds. <i>Archives of Microbiology</i> , 2022, 204, .	1.0	1
82	Dynamics of the canonical RNA degradosome components during glucose stress. <i>Biochimie</i> , 2021, 187, 67-74.	1.3	0
83	Expectations of Treatment of Hepatitis C in Children. <i>West Indian Medical Journal</i> , 0, , .	0.4	0
84	Treatment of Hepatitis C According to Regional Treatment Guidelines. <i>West Indian Medical Journal</i> , 0, , .	0.4	0
85	THE FUNCTIONAL RESPONSE OF IMMOBILIZED MICROBIAL COMMUNITIES TO INCREASE LOADING RATES OF THE PESTICIDES CHLORPYRIFOS AND BIFENTHRIN. <i>Environmental Engineering and Management Journal</i> , 2021, 20, 1317-1327.	0.2	0
86	The Vaginal and Fecal Microbiota associated to cervical cancer development in a mice model.. , 0, , .		0
87	Characterization of the plant-associated bacterial microbiota of the Mexican medicinal species <i>Bouvardia ternifolia</i> .. , 0, , .		0
88	Variation of the human milk bacterial diversity during the time of the day.. , 0, , .		0
89	Concentration of short chain fatty acids produced by gut microbiota are related with cognitive dysfunction in a murine model of Alzheimer's disease. , 0, , .		0
90	Characterization of the food microbiota in ready-to-eat Mexican foods.. , 0, , .		0

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91	Improvement of methane yield using bioaugmentation technique in a thermophilic anaerobic digestion process.. , 0, , .		0
92	Gut Microbiota Alterations and Cognitive Impairment Are Sexually Dissociated in a Transgenic Mice Model of Alzheimer's Disease. Advances in Alzheimer's Disease, 2022, , .	0.2	0