Claudio F Gonzalez

List of Publications by Year
in descending order

54	1,853	394421 19	265206 42
papers	citations	h-index	g-index

54	54	54	2906
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genome-wide Analysis of Substrate Specificities of the Escherichia coli Haloacid Dehalogenase-like Phosphatase Family. Journal of Biological Chemistry, 2006, 281, 36149-36161.	3.4	249
2	Lactobacillus johnsonii N6.2 Mitigates the Development of Type 1 Diabetes in BB-DP Rats. PLoS ONE, 2010, 5, e10507.	2.5	227
3	Biochemical Properties of Two Cinnamoyl Esterases Purified from a Lactobacillus johnsonii Strain Isolated from Stool Samples of Diabetes-Resistant Rats. Applied and Environmental Microbiology, 2009, 75, 5018-5024.	3.1	121
4	ChrR, a Soluble Quinone Reductase of Pseudomonas putida That Defends against H2O2. Journal of Biological Chemistry, 2005, 280, 22590-22595.	3.4	119
5	Molecular Basis of Formaldehyde Detoxification. Journal of Biological Chemistry, 2006, 281, 14514-14522.	3.4	118
6	Lactobacillus johnsonii inhibits indoleamine 2,3â€dioxygenase and alters tryptophan metabolite levels in BioBreeding rats. FASEB Journal, 2013, 27, 1711-1720.	0.5	118
7	Functional and Structural Characterization of Four Glutaminases from Escherichia coli and Bacillus subtilis. Biochemistry, 2008, 47, 5724-5735.	2.5	101
8	Defining the Core Citrus Leaf- and Root-Associated Microbiota: Factors Associated with Community Structure and Implications for Managing Huanglongbing (Citrus Greening) Disease. Applied and Environmental Microbiology, 2017, 83, .	3.1	78
9	Lactobacillus johnsonii N6.2 Modulates the Host Immune Responses: A Double-Blind, Randomized Trial in Healthy Adults. Frontiers in Immunology, 2017, 8, 655.	4.8	73
10	The Transcriptional Activator LdtR from â€˜Candidatus Liberibacter asiaticusâ€™ Mediates Osmotic Stress Tolerance. PLoS Pathogens, 2014, 10, e1004101.	4.7	49
11	An Inserted Î±/Î² Subdomain Shapes the Catalytic Pocket of Lactobacillus johnsonii Cinnamoyl Esterase. PLoS ONE, 2011, 6, e23269.	2.5	46
12	Synthesis and antibacterial evaluation of amino acidâ€“antibiotic conjugates. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 1856-1861.	2.2	44
13	Structural and enzymatic characterization of NanS (YjhS), a 9â€Oâ€Acetyl Nâ€acetylneuraminic acid esterase from Escherichia coli O157:H7. Protein Science, 2011, 20, 1208-1219.	7.6	33
14	Structure and activity of the cold-active and anion-activated carboxyl esterase OLEI01171 from the oil-degrading marine bacterium Oleispira antarctica. Biochemical Journal, 2012, 445, 193-203.	3.7	31
15	Improvement in thermostability of xylanase from Geobacillus thermodenitrificans C5 by site directed mutagenesis. Enzyme and Microbial Technology, 2018, 111, 38-47.	3.2	30
16	Complete Genome Sequences of Lactobacillus johnsonii Strain N6.2 and Lactobacillus reuteri Strain TD1. Genome Announcements, 2014, 2, .	0.8	25
17	Biochemical and Structural Studies of Uncharacterized Protein PA0743 from Pseudomonas aeruginosa Revealed NAD+-dependent l-Serine Dehydrogenase. Journal of Biological Chemistry, 2012, 287, 1874-1883.	3.4	23
18	Drug Repurposing: Tolfenamic Acid Inactivates PrbP, a Transcriptional Accessory Protein in Liberibacter asiaticus. Frontiers in Microbiology, 2016, 7, 1630.	3.5	23

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19	LdtR is a master regulator of gene expression in <scp>L</scp>iberibacter asiaticus. Microbial Biotechnology, 2017, 10, 896-909.	4.2	21
20	Identification of a Ligand Binding Pocket in LdtR from Liberibacter asiaticus. Frontiers in Microbiology, 2015, 6, 1314.	3.5	19
21	Inhibition of AcpA Phosphatase Activity with Ascorbate Attenuates Francisella tularensis Intramacrophage Survival. Journal of Biological Chemistry, 2010, 285, 5171-5177.	3.4	18
22	Functional Analysis of the Citrate Activator CitO from Enterococcus faecalis Implicates a Divalent Metal in Ligand Binding. Frontiers in Microbiology, 2016, 7, 101.	3.5	18
23	Biochemical Characterization of Phosphoryl Transfer Involving HPr of the Phosphoenolpyruvate-Dependent Phosphotransferase System in Treponema denticola, an Organism that Lacks PTS Permeases. Biochemistry, 2005, 44, 598-608.	2.5	17
24	Exhaustive Repertoire of Druggable Cavities at Proteinâ€“Protein Interfaces of Known Three-Dimensional Structure. Journal of Medicinal Chemistry, 2019, 62, 9732-9742.	6.4	17
25	Assessment of unconventional antimicrobial compounds for the control of â€˜Candidatus Liberibacter asiaticusâ€™, the causative agent of citrus greening disease. Scientific Reports, 2020, 10, 5395.	3.3	17
26	High Throughput Screening of Purified Proteins for Enzymatic Activity. Methods in Molecular Biology, 2008, 426, 331-341.	0.9	17
27	The structure of a putative Sâ€formylglutathione hydrolase from Agrobacterium tumefaciens. Protein Science, 2009, 18, 2196-2202.	7.6	16
28	Functional characterization of LotP from <scp>L</scp>iberibacter asiaticus. Microbial Biotechnology, 2017, 10, 642-656.	4.2	16
29	MglA/SspA Complex Interactions Are Modulated by Inorganic Polyphosphate. PLoS ONE, 2013, 8, e76428.	2.5	15
30	Identification of the Tolfenamic Acid Binding Pocket in PrbP from Liberibacter asiaticus. Frontiers in Microbiology, 2017, 8, 1591.	3.5	14
31	Lactobacillus brevis responds to flavonoids through KaeR, a LysRâ€type of transcriptional regulator. Molecular Microbiology, 2011, 81, 1623-1639.	2.5	13
32	H2O2 production rate in Lactobacillus johnsonii is modulated via the interplay of a heterodimeric flavin oxidoreductase with a soluble 28 Kd PAS domain containing protein. Frontiers in Microbiology, 2015, 6, 716.	3.5	13
33	Understanding the Physiology of Liberibacter asiaticus: An Overview of the Demonstrated Molecular Mechanisms. Journal of Molecular Microbiology and Biotechnology, 2018, 28, 116-127.	1.0	11
34	Lactobacillus johnsonii N6.2 and Blueberry Phytophenols Affect Lipidome and Gut Microbiota Composition of Rats Under High-Fat Diet. Frontiers in Nutrition, 2021, 8, 757256.	3.7	11
35	Nanovesicles From Lactobacillus johnsonii N6.2 Reduce Apoptosis in Human Beta Cells by Promoting AHR Translocation and IL10 Secretion. Frontiers in Immunology, 0, 13, .	4.8	11
36	An expansin-like protein expands forage cell walls and synergistically increases hydrolysis, digestibility and fermentation of livestock feeds by fibrolytic enzymes. PLoS ONE, 2019, 14, e0224381.	2.5	10

#	Article	IF	Citations
37	Identification of Biomarkers for Systemic Distribution of Nanovesicles From Lactobacillus johnsonii N6.2. Frontiers in Immunology, 2021, 12, 723433.	4.8	10
38	Identification of a Small Molecule That Modifies MglA/SspA Interaction and Impairs Intramacrophage Survival of Francisella tularensis. PLoS ONE, 2013, 8, e54498.	2.5	9
39	Bioinformatic analyses of bacterial HPr kinase/phosphorylase homologues. Research in Microbiology, 2005, 156, 443-451.	2.1	8
40	Sex Modulates Lactobacillus johnsonii N6.2 and Phytophenol Effectiveness in Reducing High Fat Diet Induced mTOR Activation in Sprague-Dawley Rats. Frontiers in Microbiology, 2018, 9, 2649.	3.5	8
41	Purification and partial characterization of LdtP, a cell envelope modifying enzyme in Liberibacter asiaticus. BMC Microbiology, 2018, 18, 201.	3.3	8
42	Structure and activity of the Pseudomonas aeruginosa hotdog-fold thioesterases PA5202 and PA2801. Biochemical Journal, 2012, 444, 445-455.	3.7	6
43	Identification of flavonoids as regulators of YbeY activity in Liberibacter asiaticus. Environmental Microbiology, 2019, 21, 4822-4835.	3.8	6
44	The Ferredoxin-Like Protein FerR Regulates PrbP Activity in Liberibacter asiaticus. Applied and Environmental Microbiology, 2019, 85, .	3.1	4
45	Osmotic stress induces long-term biofilm survival in Liberibacter crescens. BMC Microbiology, 2022, 22, 52.	3.3	4
46	A dual role of the transcriptional regulator <scp>TstR</scp> provides insights into cyanide detoxification in <scp>L</scp>actobacillus brevis. Molecular Microbiology, 2014, 92, 853-871.	2.5	3
47	The Escherichia coli yjfP Gene Encodes a Carboxylesterase Involved in Sugar Utilization during Diauxie. Journal of Molecular Microbiology and Biotechnology, 2015, 25, 412-422.	1.0	2
48	Determination of <i>Francisella tularensis</i> AcpB Acid Phosphatase Substrate Preferences. Journal of Molecular Microbiology and Biotechnology, 2010, 19, 198-203.	1.0	1
49	Zinc is an inhibitor of the LdtR transcriptional activator. PLoS ONE, 2018, 13, e0195746.	2.5	1
50	PrbP modulates biofilm formation in Liberibacter crescens. Environmental Microbiology, 2021, 23, 7121-7138.	3.8	1
51	The Synergistic Contribution of Lactobacillus and Dietary Phytophenols in Host Health. , 0, , .		0
52	A Network of Physiological Interactions Modulating GI Homeostasis: Probiotics, Inflammasome, mTOR. , 2018, , .		0
53	Method Optimization: Analysis of Benzbromarone and Tolfenamic Acid in Citrus Tissues and Soil Using Liquid Chromatography Coupled With Triple-Quadrupole Mass Spectrometry. Frontiers in Plant Science, 2020, 11, 222.	3.6	0
54	â€˜Candidatus Liberibacter asiaticusâ€™ Multimeric LotP Mediates Citrus sinensis Defense Response Activation. Frontiers in Microbiology, 2021, 12, 661547.	3.5	0