Adelfo Escalante

List of Publications by Year
in descending order

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42 papers	1,613 citations	304743 22 h-index	302126 39 g-index
44 all docs	44 docs citations	44 times ranked	1710 citing authors

#	Article	IF	Citations
1	Probiotic activity traits in vitro and production of antimicrobial peptides by Lactobacillaceae isolates from pulque using Lactobacillus acidophilus NCFM as control. Brazilian Journal of Microbiology, 2022, 53, 921-933.	2.0	7
2	Sustainable Production of Pulque and Maguey in Mexico: Current Situation and Perspectives. Frontiers in Sustainable Food Systems, 2021, 5, .	3.9	10
3	The aminoshikimic acid pathway in bacteria as source of precursors for the synthesis of antibacterial and antiviral compounds. Journal of Industrial Microbiology and Biotechnology, 2021, 48, .	3.0	4
4	New insights into transport capability of sugars and its impact on growth from novel mutants of Escherichia coli. Applied Microbiology and Biotechnology, 2020, 104, 1463-1479.	3.6	22
5	Evolution of an Escherichia coli PTSâ^' strain: a study of reproducibility and dynamics of an adaptive evolutive process. Applied Microbiology and Biotechnology, 2020, 104, 9309-9325.	3.6	5
6	Metabolic reconstruction of Pseudomonas chlororaphis ATCC 9446 to understand its metabolic potential as a phenazine-1-carboxamide-producing strain. Applied Microbiology and Biotechnology, 2020, 104, 10119-10132.	3.6	4
7	Genomic profiling of bacterial and fungal communities and their predictive functionality during pulque fermentation by whole-genome shotgun sequencing. Scientific Reports, 2020, 10, 15115.	3.3	29
8	Synthesis, biological activity and molecular modelling studies of shikimic acid derivatives as inhibitors of the shikimate dehydrogenase enzyme of Escherichia coli. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 397-404.	5.2	24
9	Analysis of differentially upregulated proteins in ptsHIcrrâ^' and rppHâ^' mutants in Escherichia coli during an adaptive laboratory evolution experiment. Applied Microbiology and Biotechnology, 2018, 102, 10193-10208.	3.6	9
10	Draft Genome Sequence of Pseudomonas chlororaphis ATCC 9446, a Nonpathogenic Bacterium with Bioremediation and Industrial Potential. Genome Announcements, 2017, 5, .	0.8	6
11	The Role of the <i>ydiB</i> Gene, Which Encodes Quinate/Shikimate Dehydrogenase, in the Production of Quinic, Dehydroshikimic and Shikimic Acids in a PTS⁻ Strain of <i>Escherichia coli</i>. Journal of Molecular Microbiology and Biotechnology, 2017, 27, 11-21.	1.0	9
12	Mass Spectrometry-Based Metabolomics of Agave Sap (Agave salmiana) after Its Inoculation with Microorganisms Isolated from Agave Sap Concentrate Selected to Enhance Anticancer Activity. Sustainability, 2017, 9, 2095.	3.2	8
13	Pulque, a Traditional Mexican Alcoholic Fermented Beverage: Historical, Microbiological, and Technical Aspects. Frontiers in Microbiology, 2016, 7, 1026.	3.5	85
14	In vitro and in vivo probiotic assessment of Leuconostoc mesenteroides P45 isolated from pulque, a Mexican traditional alcoholic beverage. SpringerPlus, 2016, 5, 708.	1.2	57
15	Deletion of the 2-acyl-glycerophosphoethanolamine cycle improve glucose metabolism in Escherichia coli strains employed for overproduction of aromatic compounds. Microbial Cell Factories, 2015, 14, 194.	4.0	7
16	Shikimic Acid Production in Escherichia coli: From Classical Metabolic Engineering Strategies to Omics Applied to Improve Its Production. Frontiers in Bioengineering and Biotechnology, 2015, 3, 145.	4.1	57
17	Inactivation of the PTS as a Strategy to Engineer the Production of Aromatic Metabolites in Escherichia coli. Journal of Molecular Microbiology and Biotechnology, 2015, 25, 195-208.	1.0	18
18	Cultivable endophytic bacteria from leaf bases of Agave tequilana and their role as plant growth promoters. Brazilian Journal of Microbiology, 2014, 45, 1333-1339.	2.0	41

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19	Screening and characterization of extracellular polysaccharides produced by Leuconostoc kimchii isolated from traditional fermented pulque beverage. SpringerPlus, 2014, 3, 583.	1.2	34
20	Engineering Escherichia coli to overproduce aromatic amino acids and derived compounds. Microbial Cell Factories, 2014, 13, 126.	4.0	126
21	Draft Genome Sequence of Leuconostoc mesenteroides P45 Isolated from Pulque, a Traditional Mexican Alcoholic Fermented Beverage. Genome Announcements, 2014, 2, .	0.8	7
22	Inactivation of Pyruvate Kinase or the Phosphoenolpyruvate: Sugar Phosphotransferase System Increases Shikimic and Dehydroshikimic Acid Yields from Glucose in <i>Bacillus subtilis</i>. Journal of Molecular Microbiology and Biotechnology, 2014, 24, 37-45.	1.0	21
23	Levan-type FOS production using a Bacillus licheniformis endolevanase. Process Biochemistry, 2014, 49, 783-790.	3.7	66
24	Global transcriptomic analysis of an engineered Escherichia coli strain lacking the phosphoenolpyruvate: carbohydrate phosphotransferase system during shikimic acid production in rich culture medium. Microbial Cell Factories, 2014, 13, 28.	4.0	16
25	Pulque Fermentation. , 2012, , 691-706.		11
26	Genetic changes during a laboratory adaptive evolution process that allowed fast growth in glucose to an Escherichia coli strain lacking the major glucose transport system. BMC Genomics, 2012, 13, 385.	2.8	45
27	Current knowledge of the Escherichia coli phosphoenolpyruvateâ€“carbohydrate phosphotransferase system: peculiarities of regulation and impact on growth and product formation. Applied Microbiology and Biotechnology, 2012, 94, 1483-1494.	3.6	111
28	Isolation and characterization of new facultative alkaliphilic Bacillus flexus strains from maize processing waste water (nejayote). Letters in Applied Microbiology, 2011, 52, 413-419.	2.2	29
29	Metabolic engineering for the production of shikimic acid in an evolved Escherichia coli strain lacking the phosphoenolpyruvate: carbohydrate phosphotransferase system. Microbial Cell Factories, 2010, 9, 21.	4.0	87
30	Metabolic regulation analysis of an ethanologenic Escherichia coli strain based on RT-PCR and enzymatic activities. Biotechnology for Biofuels, 2008, 1, 8.	6.2	25
31	Analysis of bacterial community during the fermentation of pulque, a traditional Mexican alcoholic beverage, using a polyphasic approach. International Journal of Food Microbiology, 2008, 124, 126-134.	4.7	119
32	Coutilization of glucose and glycerol enhances the production of aromatic compounds in an Escherichia coli strain lacking the phosphoenolpyruvate: carbohydrate phosphotransferase system. Microbial Cell Factories, 2008, 7, 1.	4.0	99
33	New Insights into the Role of Sigma Factor RpoS as Revealed in <i>Escherichia coli</i> Strains Lacking the Phosphoenolpyruvate:Carbohydrate Phosphotransferase System. Journal of Molecular Microbiology and Biotechnology, 2008, 14, 176-192.	1.0	20
34	Growth Recovery on Glucose under Aerobic Conditions of an <i>Escherichia coli</i> Strain Carrying a Phosphoenolpyruvate:Carbohydrate Phosphotransferase System Deletion by Inactivating <i>arcA</i> and Overexpressing the Genes Coding for Glucokinase and Galactose Permease. Journal of Molecular Microbiology and Biotechnology, 2007, 13, 105-116.	1.0	37
35	The Phosphotransferase System-Dependent Sucrose Utilization Regulon in Enteropathogenic <i>Escherichia coli</i> Strains Is Located in a Variable Chromosomal Region Containing <i>iap</i> Sequences. Journal of Molecular Microbiology and Biotechnology, 2007, 13, 117-125.	1.0	5
36	Adaptation for fast growth on glucose by differential expression of central carbon metabolism and gal regulon genes in an Escherichia coli strain lacking the phosphoenolpyruvate:carbohydrate phosphotransferase system. Metabolic Engineering, 2005, 7, 70-87.	7.0	90

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37	Nutrient-Scavenging Stress Response in an <i>Escherichia coli</i> Strain Lacking the Phosphoenolpyruvate:Carbohydrate Phosphotransferase System, as Explored by Gene Expression Profile Analysis. Journal of Molecular Microbiology and Biotechnology, 2005, 10, 51-63.	1.0	21
38	Role of Pyruvate Oxidase in <i>Escherichia coli</i> Strains Lacking the Phosphoenolpyruvate:Carbohydrate Phosphotransferase System. Journal of Molecular Microbiology and Biotechnology, 2004, 8, 209-221.	1.0	24
39	Characterization of bacterial diversity inPulque, a traditional Mexican alcoholic fermented beverage, as determined by 16S rDNA analysis. FEMS Microbiology Letters, 2004, 235, 273-279.	1.8	74
40	Characterization of bacterial diversity in Pulque, a traditional Mexican alcoholic fermented beverage, as determined by 16S rDNA analysis. FEMS Microbiology Letters, 2004, 235, 273-279.	1.8	32
41	Activity of the enzymes involved in the synthesis of exopolysaccharide precursors in an overproducing mutant ropy strain ofStreptococcus thermophilus. FEMS Microbiology Letters, 2002, 209, 289-293.	1.8	14
42	Lactic acid bacterial diversity in the traditional Mexican fermented dough pozol as determined by 16S rDNA sequence analysis. International Journal of Food Microbiology, 2001, 64, 21-31.	4.7	73