

Adelfo Escalante

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,613
citations

304743

22
h-index

302126

39
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44
all docs

44
docs citations

44
times ranked

1710
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering <i>Escherichia coli</i> to overproduce aromatic amino acids and derived compounds. <i>Microbial Cell Factories</i> , 2014, 13, 126.	4.0	126
2	Analysis of bacterial community during the fermentation of pulque, a traditional Mexican alcoholic beverage, using a polyphasic approach. <i>International Journal of Food Microbiology</i> , 2008, 124, 126-134.	4.7	119
3	Current knowledge of the <i>Escherichia coli</i> phosphoenolpyruvateâ€“carbohydrate phosphotransferase system: peculiarities of regulation and impact on growth and product formation. <i>Applied Microbiology and Biotechnology</i> , 2012, 94, 1483-1494.	3.6	111
4	Coultization of glucose and glycerol enhances the production of aromatic compounds in an <i>Escherichia coli</i> strain lacking the phosphoenolpyruvate: carbohydrate phosphotransferase system. <i>Microbial Cell Factories</i> , 2008, 7, 1.	4.0	99
5	Adaptation for fast growth on glucose by differential expression of central carbon metabolism and gal regulon genes in an <i>Escherichia coli</i> strain lacking the phosphoenolpyruvate:carbohydrate phosphotransferase system. <i>Metabolic Engineering</i> , 2005, 7, 70-87.	7.0	90
6	Metabolic engineering for the production of shikimic acid in an evolved <i>Escherichia coli</i> strain lacking the phosphoenolpyruvate: carbohydrate phosphotransferase system. <i>Microbial Cell Factories</i> , 2010, 9, 21.	4.0	87
7	Pulque, a Traditional Mexican Alcoholic Fermented Beverage: Historical, Microbiological, and Technical Aspects. <i>Frontiers in Microbiology</i> , 2016, 7, 1026.	3.5	85
8	Characterization of bacterial diversity in Pulque, a traditional Mexican alcoholic fermented beverage, as determined by 16S rDNA analysis. <i>FEMS Microbiology Letters</i> , 2004, 235, 273-279.	1.8	74
9	Lactic acid bacterial diversity in the traditional Mexican fermented dough pozol as determined by 16S rDNA sequence analysis. <i>International Journal of Food Microbiology</i> , 2001, 64, 21-31.	4.7	73
10	Levan-type FOS production using a <i>Bacillus licheniformis</i> endolevanase. <i>Process Biochemistry</i> , 2014, 49, 783-790.	3.7	66
11	Shikimic Acid Production in <i>Escherichia coli</i> : From Classical Metabolic Engineering Strategies to Omics Applied to Improve Its Production. <i>Frontiers in Bioengineering and Biotechnology</i> , 2015, 3, 145.	4.1	57
12	In vitro and in vivo probiotic assessment of <i>Leuconostoc mesenteroides</i> P45 isolated from pulque, a Mexican traditional alcoholic beverage. <i>SpringerPlus</i> , 2016, 5, 708.	1.2	57
13	Genetic changes during a laboratory adaptive evolution process that allowed fast growth in glucose to an <i>Escherichia coli</i> strain lacking the major glucose transport system. <i>BMC Genomics</i> , 2012, 13, 385.	2.8	45
14	Cultivable endophytic bacteria from leaf bases of <i>Agave tequilana</i> and their role as plant growth promoters. <i>Brazilian Journal of Microbiology</i> , 2014, 45, 1333-1339.	2.0	41
15	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. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2007, 13, 105-116.	1.0	37
16	Screening and characterization of extracellular polysaccharides produced by <i>Leuconostoc kimchii</i> isolated from traditional fermented pulque beverage. <i>SpringerPlus</i> , 2014, 3, 583.	1.2	34
17	Characterization of bacterial diversity in Pulque, a traditional Mexican alcoholic fermented beverage, as determined by 16S rDNA analysis. <i>FEMS Microbiology Letters</i> , 2004, 235, 273-279.	1.8	32
18	Isolation and characterization of new facultative alkaliphilic <i>Bacillus flexus</i> strains from maize processing waste water (nejayote). <i>Letters in Applied Microbiology</i> , 2011, 52, 413-419.	2.2	29

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19	Genomic profiling of bacterial and fungal communities and their predictive functionality during pulque fermentation by whole-genome shotgun sequencing. <i>Scientific Reports</i> , 2020, 10, 15115.	3.3	29
20	Metabolic regulation analysis of an ethanologenic <i>Escherichia coli</i> strain based on RT-PCR and enzymatic activities. <i>Biotechnology for Biofuels</i> , 2008, 1, 8.	6.2	25
21	Role of Pyruvate Oxidase in <i>Escherichia coli</i> Strains Lacking the Phosphoenolpyruvate:Carbohydrate Phosphotransferase System. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2004, 8, 209-221.	1.0	24
22	Synthesis, biological activity and molecular modelling studies of shikimic acid derivatives as inhibitors of the shikimate dehydrogenase enzyme of <i>Escherichia coli</i> . <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 397-404.	5.2	24
23	New insights into transport capability of sugars and its impact on growth from novel mutants of <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 1463-1479.	3.6	22
24	Nutrient-Scavenging Stress Response in an <i>Escherichia coli</i> Strain Lacking the Phosphoenolpyruvate:Carbohydrate Phosphotransferase System, as Explored by Gene Expression Profile Analysis. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2005, 10, 51-63.	1.0	21
25	Inactivation of Pyruvate Kinase or the Phosphoenolpyruvate: Sugar Phosphotransferase System Increases Shikimic and Dehydroshikimic Acid Yields from Glucose in <i>Bacillus subtilis</i> . <i>Journal of Molecular Microbiology and Biotechnology</i> , 2014, 24, 37-45.	1.0	21
26	New Insights into the Role of Sigma Factor RpoS as Revealed in <i>Escherichia coli</i> Strains Lacking the Phosphoenolpyruvate:Carbohydrate Phosphotransferase System. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2008, 14, 176-192.	1.0	20
27	Inactivation of the PTS as a Strategy to Engineer the Production of Aromatic Metabolites in <i>Escherichia coli</i> . <i>Journal of Molecular Microbiology and Biotechnology</i> , 2015, 25, 195-208.	1.0	18
28	Global transcriptomic analysis of an engineered <i>Escherichia coli</i> strain lacking the phosphoenolpyruvate: carbohydrate phosphotransferase system during shikimic acid production in rich culture medium. <i>Microbial Cell Factories</i> , 2014, 13, 28.	4.0	16
29	Activity of the enzymes involved in the synthesis of exopolysaccharide precursors in an overproducing mutant ropy strain of <i>Streptococcus thermophilus</i> . <i>FEMS Microbiology Letters</i> , 2002, 209, 289-293.	1.8	14
30	Pulque Fermentation. , 2012, , 691-706.		11
31	Sustainable Production of Pulque and Maguey in Mexico: Current Situation and Perspectives. <i>Frontiers in Sustainable Food Systems</i> , 2021, 5, .	3.9	10
32	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> . <i>Journal of Molecular Microbiology and Biotechnology</i> , 2017, 27, 11-21.	1.0	9
33	Analysis of differentially upregulated proteins in <i>ptsH</i> and <i>rppH</i> mutants in <i>Escherichia coli</i> during an adaptive laboratory evolution experiment. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 10193-10208.	3.6	9
34	Mass Spectrometry-Based Metabolomics of Agave Sap (<i>Agave salmiana</i>) after Its Inoculation with Microorganisms Isolated from Agave Sap Concentrate Selected to Enhance Anticancer Activity. <i>Sustainability</i> , 2017, 9, 2095.	3.2	8
35	Draft Genome Sequence of <i>Leuconostoc mesenteroides</i> P45 Isolated from Pulque, a Traditional Mexican Alcoholic Fermented Beverage. <i>Genome Announcements</i> , 2014, 2, .	0.8	7
36	Deletion of the 2-acyl-glycerophosphoethanolamine cycle improve glucose metabolism in <i>Escherichia coli</i> strains employed for overproduction of aromatic compounds. <i>Microbial Cell Factories</i> , 2015, 14, 194.	4.0	7

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37	Probiotic activity traits in vitro and production of antimicrobial peptides by Lactobacillaceae isolates from pulque using <i>Lactobacillus acidophilus</i> NCFM as control. <i>Brazilian Journal of Microbiology</i> , 2022, 53, 921-933.	2.0	7
38	Draft Genome Sequence of <i>Pseudomonas chlororaphis</i> ATCC 9446, a Nonpathogenic Bacterium with Bioremediation and Industrial Potential. <i>Genome Announcements</i> , 2017, 5, .	0.8	6
39	The Phosphotransferase System-Dependent Sucrose Utilization Regulon in Enteropathogenic & Escherichia coli Strains Is Located in a Variable Chromosomal Region Containing & iap Sequences. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2007, 13, 117-125.	1.0	5
40	Evolution of an <i>Escherichia coli</i> PTS ⁺ strain: a study of reproducibility and dynamics of an adaptive evolutive process. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 9309-9325.	3.6	5
41	Metabolic reconstruction of <i>Pseudomonas chlororaphis</i> ATCC 9446 to understand its metabolic potential as a phenazine-1-carboxamide-producing strain. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 10119-10132.	3.6	4
42	The aminoshikimic acid pathway in bacteria as source of precursors for the synthesis of antibacterial and antiviral compounds. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2021, 48, .	3.0	4