

Antonino Baez

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,501
citations

567281
15
h-index

610901
24
g-index

26
all docs

26
docs citations

26
times ranked

2011
citing authors

#	ARTICLE	IF	CITATIONS
1	Driving Forces Enable High-Titer Anaerobic 1-Butanol Synthesis in <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2011, 77, 2905-2915.	3.1	572
2	High-flux isobutanol production using engineered <i>Escherichia coli</i> : a bioreactor study with in situ product removal. <i>Applied Microbiology and Biotechnology</i> , 2011, 90, 1681-1690.	3.6	214
3	Next generation of microbial inoculants for agriculture and bioremediation. <i>Microbial Biotechnology</i> , 2017, 10, 19-21.	4.2	107
4	Compatible bacterial mixture, tolerant to desiccation, improves maize plant growth. <i>PLoS ONE</i> , 2017, 12, e0187913.	2.5	106
5	Effect of elevated oxygen concentration on bacteria, yeasts, and cells propagated for production of biological compounds. <i>Microbial Cell Factories</i> , 2014, 13, 181.	4.0	82
6	<i>Escherichia coli</i> avoids high dissolved oxygen stress by activation of SoxRS and manganese-superoxide dismutase. <i>Microbial Cell Factories</i> , 2013, 12, 23.	4.0	67
7	Chromium Hyper-Tolerant <i>Bacillus</i> sp. MH778713 Assists Phytoremediation of Heavy Metals by Mesquite Trees (<i>Prosopis laevigata</i>). <i>Frontiers in Microbiology</i> , 2019, 10, 1833.	3.5	56
8	Metabolic and transcriptional response of recombinant <i>Escherichia coli</i> to elevated dissolved carbon dioxide concentrations. <i>Biotechnology and Bioengineering</i> , 2009, 104, 102-110.	3.3	40
9	The importance of antimicrobial compounds produced by beneficial bacteria on the biocontrol of phytopathogens. <i>Acta Biologica Colombiana</i> , 2020, 25, 140-154.	0.4	32
10	<i>Bacillus cereus</i> MH778713 elicits tomato plant protection against <i>Fusarium oxysporum</i> . <i>Journal of Applied Microbiology</i> , 2022, 132, 470-482.	3.1	31
11	Dioxygen Activation by Laccases: Green Chemistry for Fine Chemical Synthesis. <i>Catalysts</i> , 2018, 8, 223.	3.5	28
12	Simulation of dissolved CO ₂ gradients in a scale-down system: A metabolic and transcriptional study of recombinant <i>Escherichia coli</i> . <i>Biotechnology Journal</i> , 2011, 6, 959-967.	3.5	27
13	A Bacterial Consortium Interacts With Different Varieties of Maize, Promotes the Plant Growth, and Reduces the Application of Chemical Fertilizer Under Field Conditions. <i>Frontiers in Sustainable Food Systems</i> , 2021, 4, .	3.9	23
14	Structural characterization of scorpion peptides and their bactericidal activity against clinical isolates of multidrug-resistant bacteria. <i>PLoS ONE</i> , 2019, 14, e0222438.	2.5	19
15	Emerging Applications of Bacteriocins as Antimicrobials, Anticancer Drugs, and Modulators of The Gastrointestinal Microbiota. <i>Polish Journal of Microbiology</i> , 2021, 70, 143-159.	1.7	18
16	Desiccation-induced viable but nonculturable state in <i>Pseudomonas putida</i> KT2440, a survival strategy. <i>PLoS ONE</i> , 2019, 14, e0219554.	2.5	17
17	Long-Chain Hydrocarbons (C21, C24, and C31) Released by <i>Bacillus</i> sp. MH778713 Break Dormancy of Mesquite Seeds Subjected to Chromium Stress. <i>Frontiers in Microbiology</i> , 2020, 11, 741.	3.5	14
18	Production of recombinant protein by a novel oxygen-induced system in <i>Escherichia coli</i> . <i>Microbial Cell Factories</i> , 2014, 13, 50.	4.0	12

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19	Effect of amino acids on transcription and translation of key genes in E. coli K and B grown at a steady state in minimal medium. New Biotechnology, 2019, 49, 120-128.	4.4	7
20	Bacterial Mixtures, the Future Generation of Inoculants for Sustainable Crop Production. Sustainable Development and Biodiversity, 2019, , 11-44.	1.7	7
21	Increasing dissolved-oxygen disrupts iron homeostasis in production cultures of Escherichia coli. Antonie Van Leeuwenhoek, 2017, 110, 115-124.	1.7	5
22	Growth inhibition of pathogenic microorganisms by Pseudomonas protegens EMM-1 and partial characterization of inhibitory substances. PLoS ONE, 2020, 15, e0240545.	2.5	5
23	Influence of rehydration on transcriptome during resuscitation of desiccated Pseudomonas putida KT2440. Annals of Microbiology, 2020, 70, .	2.6	4
24	Iron availability enhances the cellular energetics of aerobic Escherichia coli cultures while upregulating anaerobic respiratory chains. New Biotechnology, 2022, 71, 11-20.	4.4	4