Antonio Valle

List of Publications by Year
in descending order

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Version: 2024-02-01

19 papers	203 citations	1162367 8 h-index	1058022 14 g-index
19 all docs	19 docs citations	19 times ranked	173 citing authors

#	Article	IF	Citations
1	Characterization of Bacterial and Archaeal Communities by DGGE and Next Generation Sequencing (NGS) of Nitrification Bioreactors Using Two Different Intermediate Landfill Leachates as Ammonium Substrate. Waste and Biomass Valorization, 2022, 13, 3753-3766.	1.8	5
2	Identification of Enzymatic Bottlenecks for the Aerobic Production of Malate from Glycerol by the Systematic Gene Overexpression of Anaplerotic Enzymes in Escherichia coli. International Journal of Molecular Sciences, 2021, 22, 2266.	1.8	3
3	Co-overexpression of the malate dehydrogenase (Mdh) and the malic enzyme A (MaeA) in several Escherichia coli mutant backgrounds increases malate redirection towards hydrogen production. International Journal of Hydrogen Energy, 2021, 46, 15337-15350.	3.8	5
4	Escherichia coli Dcu C4-dicarboxylate transporters dependent proton and potassium fluxes and FOF1-ATPase activity during glucose fermentation at pH 7.5. Bioelectrochemistry, 2021, 141, 107867.	2.4	8
5	Escherichia coli, the workhorse cell factory for the production of chemicals. , 2021, , 115-137.		3
6	Optimization of the Biocatalysis for D-DIBOA Synthesis Using a Quick and Sensitive New Spectrophotometric Quantification Method. International Journal of Molecular Sciences, 2020, 21, 8523.	1.8	2
7	Characterization of eubacterial communities by Denaturing Gradient Gel Electrophoresis (DGGE) and Next Generation Sequencing (NGS) in a desulfurization biotrickling filter using progressive changes of nitrate and nitrite as final electron acceptors. New Biotechnology, 2020, 57, 67-75.	2.4	11
8	A genetically engineered Escherichia coli strain overexpressing the nitroreductase NfsB is capable of producing the herbicide D-DIBOA with 100% molar yield. Microbial Cell Factories, 2019, 18, 86.	1.9	6
9	Metabolic engineering for the optimization of hydrogen production in Escherichia coli: A review. Biotechnology Advances, 2019, 37, 616-633.	6.0	29
10	Evidence for Escherichia coli DcuD carrier dependent FOF1-ATPase activity during fermentation of glycerol. Scientific Reports, 2019, 9, 4279.	1.6	7
11	Overexpression of the nitroreductase NfsB in an E. coli strain as a whole-cell biocatalyst for the production of chlorinated analogues of the natural herbicide DIBOA. New Biotechnology, 2019, 50, 9-19.	2.4	6
12	A comparative study of eubacterial communities by PCR-DGGE fingerprints in anoxic and aerobic biotrickling filters used for biogas desulfurization. Bioprocess and Biosystems Engineering, 2018, 41, 1165-1175.	1.7	21
13	Progressive change from nitrate to nitrite as the electron acceptor for the oxidation of H2S under feedback control in an anoxic biotrickling filter. Biochemical Engineering Journal, 2018, 139, 154-161.	1.8	23
14	Heterologous expression of the human Phosphoenol Pyruvate Carboxykinase (hPEPCK-M) improves hydrogen and ethanol synthesis in the Escherichia coli dcuD mutant when grown in a glycerol-based medium. New Biotechnology, 2017, 35, 1-12.	2.4	7
15	Identification of enhanced hydrogen and ethanol Escherichia coli producer strains in a glycerol-based medium by screening in single-knock out mutant collections. Microbial Cell Factories, 2015, 14, 93.	1.9	22
16	A systematic analysis of TCA Escherichia coli mutants reveals suitable genetic backgrounds for enhanced hydrogen and ethanol production using glycerol as main carbon source. Biotechnology Journal, 2015, 10, 1750-1761.	1.8	16
17	Study of the role played by NfsA, NfsB nitroreductase and NemA flavin reductase from Escherichia coli in the conversion of ethyl 2-(2â€²-nitrophenoxy)acetate to 4-hydroxy-(2H)-1,4-benzoxazin-3(4H)-one (D-DIBOA), a benzohydroxamic acid with interesting biological properties. Applied Microbiology and Biotechnology, 2012, 94, 163-171.	1.7	18
18	Biotransformation of ethyl 2-(2â€²-nitrophenoxy)acetate to benzohydroxamic acid (D-DIBOA) by Escherichia coli. Process Biochemistry, 2011, 46, 358-364.	1.8	7

#	Article	IF	Citations
19	Nickel and Cobalt Removal Capacities of Native Metal-Resistant Bacteria. Advanced Materials Research, 2009, 71-73, 617-620.	0.3	4