

Gema Cabrera

List of Publications by Year in descending order

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19
papers

452
citations

1039406

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h-index

794141

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19
all docs

19
docs citations

19
times ranked

615
citing authors

#	ARTICLE	IF	CITATIONS
1	Toxic effects of dissolved heavy metals on <i>Desulfovibrio vulgaris</i> and <i>Desulfovibrio</i> sp. strains. <i>Journal of Hazardous Materials</i> , 2006, 135, 40-46.	6.5	174
2	Combined strategy for the precipitation of heavy metals and biodegradation of petroleum in industrial wastewaters. <i>Journal of Hazardous Materials</i> , 2010, 182, 896-902.	6.5	52
3	Influence of heavy metals on growth and ferrous sulphate oxidation by <i>Acidithiobacillus ferrooxidans</i> in pure and mixed cultures. <i>Process Biochemistry</i> , 2005, 40, 2683-2687.	1.8	41
4	Bacterial removal of chromium (VI) and (III) in a continuous system. <i>Biodegradation</i> , 2007, 18, 505-513.	1.5	36
5	Kinetic study of ferrous sulphate oxidation of <i>Acidithiobacillus ferrooxidans</i> in the presence of heavy metal ions. <i>Enzyme and Microbial Technology</i> , 2005, 36, 301-306.	1.6	24
6	Identification of enhanced hydrogen and ethanol <i>Escherichia coli</i> producer strains in a glycerol-based medium by screening in single-knock out mutant collections. <i>Microbial Cell Factories</i> , 2015, 14, 93.	1.9	22
7	Study of the role played by NfsA, NfsB nitroreductase and NemaA flavin reductase from <i>Escherichia coli</i> in the conversion of ethyl 2-(2-nitrophenoxy)acetate to 4-hydroxy-(2H)-1,4-benzoxazin-3(4H)-one (D-DIBOA), a benzohydroxamic acid with interesting biological properties. <i>Applied Microbiology and Biotechnology</i> , 2012, 94, 163-171.	1.7	18
8	A systematic analysis of TCA <i>Escherichia coli</i> mutants reveals suitable genetic backgrounds for enhanced hydrogen and ethanol production using glycerol as main carbon source. <i>Biotechnology Journal</i> , 2015, 10, 1750-1761.	1.8	16
9	Biosorption of nickel, cobalt, zinc and copper ions by <i>Serratia marcescens</i> strain 16 in mono and multimetallic systems. <i>Biodegradation</i> , 2022, 33, 33-43.	1.5	15
10	Different strategies for recovering metals from CARON process residue. <i>Journal of Hazardous Materials</i> , 2011, 189, 836-842.	6.5	8
11	Nickel recycling through bioleaching of a Ni/Al ₂ O ₃ commercial catalyst. <i>Hydrometallurgy</i> , 2020, 195, 105350.	1.8	8
12	Biotransformation of ethyl 2-(2-nitrophenoxy)acetate to benzohydroxamic acid (D-DIBOA) by <i>Escherichia coli</i> . <i>Process Biochemistry</i> , 2011, 46, 358-364.	1.8	7
13	Heterologous expression of the human Phosphoenol Pyruvate Carboxykinase (hPEPCK-M) improves hydrogen and ethanol synthesis in the <i>Escherichia coli</i> <i>dcuD</i> mutant when grown in a glycerol-based medium. <i>New Biotechnology</i> , 2017, 35, 1-12.	2.4	7
14	A genetically engineered <i>Escherichia coli</i> strain overexpressing the nitroreductase NfsB is capable of producing the herbicide D-DIBOA with 100% molar yield. <i>Microbial Cell Factories</i> , 2019, 18, 86.	1.9	6
15	Overexpression of the nitroreductase NfsB in an <i>E. coli</i> strain as a whole-cell biocatalyst for the production of chlorinated analogues of the natural herbicide DIBOA. <i>New Biotechnology</i> , 2019, 50, 9-19.	2.4	6
16	Integrated system for the biological solubilization and precipitation of heavy metals for the remediation of contaminated media. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 553-558.	1.6	4
17	Identification of Enzymatic Bottlenecks for the Aerobic Production of Malate from Glycerol by the Systematic Gene Overexpression of Anaplerotic Enzymes in <i>Escherichia coli</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 2266.	1.8	3
18	Immobilization of Cells on Polyurethane Foam. <i>Methods in Molecular Biology</i> , 2020, 2100, 407-415.	0.4	3

#	ARTICLE	IF	CITATIONS
19	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