

# Jorge A Trelles

## List of Publications by Year in descending order

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30  
papers

427  
citations

687363

13  
h-index

794594

19  
g-index

31  
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31  
docs citations

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times ranked

370  
citing authors

#	ARTICLE	IF	CITATIONS
1	New developments in nucleoside analogues biosynthesis: A review. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 133, 218-233.	1.8	58
2	Cell immobilization strategies for biotransformations. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2022, 33, 100565.	5.9	33
3	Whole Cell Entrapment Techniques. <i>Methods in Molecular Biology</i> , 2013, 1051, 365-374.	0.9	28
4	Immobilized <i>Escherichia coli</i> BL21 as a Catalyst for the Synthesis of Adenine and Hypoxanthine Nucleosides. <i>Chemistry and Biodiversity</i> , 2004, 1, 280-288.	2.1	24
5	An efficient biocatalytic system for floxuridine biosynthesis based on <i>Lactobacillus animalis</i> ATCC 35046 immobilized in Sr-alginate. <i>Process Biochemistry</i> , 2014, 49, 1169-1175.	3.7	22
6	Green biosynthesis of floxuridine by immobilized microorganisms. <i>FEMS Microbiology Letters</i> , 2012, 331, 31-36.	1.8	19
7	Biotransformation of halogenated 2- $\alpha$ -deoxyribosides by immobilized lactic acid bacteria. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012, 79, 49-53.	1.8	19
8	Stabilization by multipoint covalent attachment of a biocatalyst with polygalacturonase activity used for juice clarification. <i>Food Chemistry</i> , 2016, 208, 252-257.	8.2	18
9	Biosynthesis of anti-HCV compounds using thermophilic microorganisms. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 6059-6062.	2.2	17
10	Bioproduction of ribavirin by green microbial biotransformation. <i>Process Biochemistry</i> , 2015, 50, 935-940.	3.7	17
11	Biotransformation of halogenated nucleosides by immobilized <i>Lactobacillus animalis</i> 2- $\alpha$ -N-deoxyribosyltransferase. <i>Journal of Fluorine Chemistry</i> , 2016, 186, 91-96.	1.7	17
12	Biotransformation of 2,6-diaminopurine nucleosides by immobilized <i>Geobacillus stearothermophilus</i> . <i>Biotechnology Progress</i> , 2012, 28, 1251-1256.	2.6	16
13	Biodegradation of industrial dyes by a solvent, metal and surfactant-stable extracellular bacterial laccase. <i>Biocatalysis and Agricultural Biotechnology</i> , 2018, 14, 221-227.	3.1	16
14	Alkaline and thermostable polygalacturonase from <i>Streptomyces halstedii</i> ATCC 10897 with applications in waste waters. <i>Biocatalysis and Agricultural Biotechnology</i> , 2015, 4, 221-228.	3.1	14
15	Development of a high efficient biocatalyst by oriented covalent immobilization of a novel recombinant 2- $\alpha$ -N-deoxyribosyltransferase from <i>Lactobacillus animalis</i> . <i>Journal of Biotechnology</i> , 2018, 270, 39-43.	3.8	12
16	Whole Cell Entrapment Techniques. <i>Methods in Molecular Biology</i> , 2020, 2100, 385-394.	0.9	12
17	Development of a nanostabilized biocatalyst using an extremophilic microorganism for ribavirin biosynthesis. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015, 121, 90-95.	1.8	11
18	Biosynthesis of an antiviral compound using a stabilized phosphopentomutase by multipoint covalent immobilization. <i>Journal of Biotechnology</i> , 2017, 249, 34-41.	3.8	10

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19	Hyperstabilization of a thermophile bacterial laccase and its application for industrial dyes degradation. <i>3 Biotech</i> , 2020, 10, 288.	2.2	10
20	Development of strong enzymatic biocatalysts for dye decolorization. <i>Biocatalysis and Agricultural Biotechnology</i> , 2016, 7, 228-233.	3.1	8
21	Biotransformation of cladribine by a magnetic immobilized biocatalyst of <i>Lactobacillus animalis</i> . <i>Biotechnology Letters</i> , 2020, 42, 1229-1236.	2.2	7
22	Dihydroxyacetone production via heterogeneous biotransformations of crude glycerol. <i>Journal of Biotechnology</i> , 2021, 340, 102-109.	3.8	7
23	Bioproduction of Floxuridine Using Nanostabilized Biocatalysts. <i>Chemical Engineering and Technology</i> , 2016, 39, 1723-1730.	1.5	6
24	One-pot biosynthesis of idoxuridine using nanostabilized lactic acid bacteria. <i>Process Biochemistry</i> , 2017, 62, 169-173.	3.7	5
25	Saccharification of citrus wastes by immobilized polygalacturonase in an improved alginate matrix. <i>3 Biotech</i> , 2017, 7, 380.	2.2	4
26	Biodegradation of vegetable residues by polygalacturonase-agar using a trickle-bed bioreactor. <i>Food and Bioproducts Processing</i> , 2018, 111, 54-61.	3.6	4
27	Biotransformation of cladribine by a nanostabilized extremophilic biocatalyst. <i>Journal of Biotechnology</i> , 2020, 323, 166-173.	3.8	4
28	Biotransformation of cladribine using a stabilized biocatalyst in calcium alginate beads. <i>Biotechnology Progress</i> , 2020, 36, e2927.	2.6	2
29	Decitabine bioproduction using a biocatalyst with improved stability by adding nanocomposites. <i>AMB Express</i> , 2020, 10, 173.	3.0	2
30	Biotransformation of 5- $\beta$ -D-galactosyl-floxuridine by immobilized $\beta$ -galactosidase from <i>Kocuria rhizophila</i> . <i>Journal of Fluorine Chemistry</i> , 2018, 214, 58-62.	1.7	0