

Viviana Sanchez-Torres

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,312
citations

516710

16
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

1569
citing authors

#	ARTICLE	IF	CITATIONS
1	A new type V toxin-antitoxin system where mRNA for toxin ChoT is cleaved by antitoxin ChoS. <i>Nature Chemical Biology</i> , 2012, 8, 855-861.	8.0	268
2	Enhanced hydrogen production from glucose by metabolically engineered <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2007, 77, 879-890.	3.6	151
3	Metabolic engineering to enhance bacterial hydrogen production. <i>Microbial Biotechnology</i> , 2008, 1, 30-39.	4.2	146
4	Photoelectrochemical hydrogen production from water/methanol decomposition using Ag/TiO ₂ nanocomposite thin films. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 11768-11775.	7.1	114
5	<i>Escherichia coli</i> hydrogenase 3 is a reversible enzyme possessing hydrogen uptake and synthesis activities. <i>Applied Microbiology and Biotechnology</i> , 2007, 76, 1035-1042.	3.6	90
6	GGDEF proteins Yeal, YedQ, and YfiN reduce early biofilm formation and swimming motility in <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2011, 90, 651-658.	3.6	65
7	<i>Escherichia coli</i> hydrogenase activity and H ₂ production under glycerol fermentation at a low pH. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 4323-4331.	7.1	64
8	Hydrogen production by recombinant <i>Escherichia coli</i> strains. <i>Microbial Biotechnology</i> , 2012, 5, 214-225.	4.2	62
9	Protein engineering of hydrogenase 3 to enhance hydrogen production. <i>Applied Microbiology and Biotechnology</i> , 2008, 79, 77-86.	3.6	52
10	Characterization of electricity production and microbial community of food waste-fed microbial fuel cells. <i>Chemical Engineering Research and Design</i> , 2019, 125, 83-91.	5.6	52
11	Protein Engineering of the Transcriptional Activator FhlA To Enhance Hydrogen Production in <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2009, 75, 5639-5646.	3.1	39
12	Influence of <i>Escherichia coli</i> hydrogenases on hydrogen fermentation from glycerol. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 3905-3912.	7.1	35
13	Uncharacterized <i>Escherichia coli</i> proteins YdjA and YhjY are related to biohydrogen production. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 17778-17787.	7.1	28
14	Global regulator H-NS and lipoprotein Nlpl influence production of extracellular DNA in <i>Escherichia coli</i> . <i>Biochemical and Biophysical Research Communications</i> , 2010, 401, 197-202.	2.1	26
15	Enhanced reduction of waste activated sludge at a low temperature by locally isolated strains <i>Pseudomonas sp.</i> VNT and <i>Aeromonas sp.</i> VNT. <i>Bioresource Technology</i> , 2014, 174, 134-141.	9.6	19
16	Characterization of gallium resistance induced in a <i>Pseudomonas aeruginosa</i> cystic fibrosis isolate. <i>Archives of Microbiology</i> , 2020, 202, 617-622.	2.2	17
17	Implementation of strategies to optimize the co-composting of green waste and food waste in developing countries. A case study: Colombia. <i>Environmental Science and Pollution Research</i> , 2021, 28, 24321-24327.	5.3	15
18	Beneficial knockouts in <i>Escherichia coli</i> for producing hydrogen from glycerol. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 2573-2581.	3.6	14

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19	Microbial community dynamics and electricity generation in MFCs inoculated with POME sludges and pure electrogenic culture. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 36903-36916.	7.1	14
20	A Comparison of Two-Stage and Traditional Co-Composting of Green Waste and Food Waste Amended with Phosphate Rock and Sawdust. <i>Sustainability</i> , 2021, 13, 1109.	3.2	10
21	Optimization of lignocellulolytic bacterial inoculum and substrate mix for lignocellulose degradation and product quality on co-composting of green waste with food waste. <i>Bioresource Technology</i> , 2022, 359, 127452.	9.6	9
22	Engineering anaerobic digestion via optimizing microbial community: effects of bactericidal agents, quorum sensing inhibitors, and inorganic materials. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 7607-7618.	3.6	8
23	Evaluation of hydrogen metabolism by <i>Escherichia coli</i> strains possessing only a single hydrogenase in the genome. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 1728-1739.	7.1	6
24	A Systematic Review on the Application of Bacterial Inoculants and Microbial Consortia During Green Waste Composting. <i>Waste and Biomass Valorization</i> , 2022, 13, 3423-3444.	3.4	6
25	Impact of 5-fluorouracil on anaerobic digestion using sewage sludge. <i>Chemosphere</i> , 2022, 298, 134253.	8.2	2