

Viviana Sanchez-Torres

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,312
citations

516215

16
h-index

580395

25
g-index

25
all docs

25
docs citations

25
times ranked

1569
citing authors

#	ARTICLE	IF	CITATIONS
1	A Systematic Review on the Application of Bacterial Inoculants and Microbial Consortia During Green Waste Composting. Waste and Biomass Valorization, 2022, 13, 3423-3444.	1.8	6
2	Impact of 5-fluorouracil on anaerobic digestion using sewage sludge. Chemosphere, 2022, 298, 134253.	4.2	2
3	Optimization of lignocellulolytic bacterial inoculum and substrate mix for lignocellulose degradation and product quality on co-composting of green waste with food waste. Bioresource Technology, 2022, 359, 127452.	4.8	9
4	Implementation of strategies to optimize the co-composting of green waste and food waste in developing countries. A case study: Colombia. Environmental Science and Pollution Research, 2021, 28, 24321-24327.	2.7	15
5	Evaluation of hydrogen metabolism by Escherichia coli strains possessing only a single hydrogenase in the genome. International Journal of Hydrogen Energy, 2021, 46, 1728-1739.	3.8	6
6	Engineering anaerobic digestion via optimizing microbial community: effects of bactericidal agents, quorum sensing inhibitors, and inorganic materials. Applied Microbiology and Biotechnology, 2021, 105, 7607-7618.	1.7	8
7	Microbial community dynamics and electricity generation in MFCs inoculated with POME sludges and pure electrogenic culture. International Journal of Hydrogen Energy, 2021, 46, 36903-36916.	3.8	14
8	A Comparison of Two-Stage and Traditional Co-Composting of Green Waste and Food Waste Amended with Phosphate Rock and Sawdust. Sustainability, 2021, 13, 1109.	1.6	10
9	Characterization of gallium resistance induced in a Pseudomonas aeruginosa cystic fibrosis isolate. Archives of Microbiology, 2020, 202, 617-622.	1.0	17
10	Characterization of electricity production and microbial community of food waste-fed microbial fuel cells. Chemical Engineering Research and Design, 2019, 125, 83-91.	2.7	52
11	Beneficial knockouts in Escherichia coli for producing hydrogen from glycerol. Applied Microbiology and Biotechnology, 2015, 99, 2573-2581.	1.7	14
12	Enhanced reduction of waste activated sludge at a low temperature by locally isolated strains Pseudomonas sp. VNT and Aeromonas sp. VNT. Bioresource Technology, 2014, 174, 134-141.	4.8	19
13	Influence of Escherichia coli hydrogenases on hydrogen fermentation from glycerol. International Journal of Hydrogen Energy, 2013, 38, 3905-3912.	3.8	35
14	A new type V toxin-antitoxin system where mRNA for toxin GhoT is cleaved by antitoxin GhoS. Nature Chemical Biology, 2012, 8, 855-861.	3.9	268
15	Uncharacterized Escherichia coli proteins YdjA and YhjY are related to biohydrogen production. International Journal of Hydrogen Energy, 2012, 37, 17778-17787.	3.8	28
16	Hydrogen production by recombinant Escherichia coli strains. Microbial Biotechnology, 2012, 5, 214-225.	2.0	62
17	GGDEF proteins Yeal, YedQ, and YfiN reduce early biofilm formation and swimming motility in Escherichia coli. Applied Microbiology and Biotechnology, 2011, 90, 651-658.	1.7	65
18	Escherichia coli hydrogenase activity and H ₂ production under glycerol fermentation at a low pH. International Journal of Hydrogen Energy, 2011, 36, 4323-4331.	3.8	64

#	ARTICLE	IF	CITATIONS
19	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.	3.8	114
20	Global regulator H-NS and lipoprotein NlpI influence production of extracellular DNA in <i>Escherichia coli</i> . <i>Biochemical and Biophysical Research Communications</i> , 2010, 401, 197-202.	1.0	26
21	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.	1.4	39
22	Protein engineering of hydrogenase 3 to enhance hydrogen production. <i>Applied Microbiology and Biotechnology</i> , 2008, 79, 77-86.	1.7	52
23	Metabolic engineering to enhance bacterial hydrogen production. <i>Microbial Biotechnology</i> , 2008, 1, 30-39.	2.0	146
24	<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.	1.7	90
25	Enhanced hydrogen production from glucose by metabolically engineered <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2007, 77, 879-890.	1.7	151