

Julian Carrillo-Reyes

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,105
citations

361296

20
h-index

434063

31
g-index

32
all docs

32
docs citations

32
times ranked

1147
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability problems in the hydrogen production by dark fermentation: Possible causes and solutions. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 119, 109602.	8.2	137
2	Microbial communities from 20 different hydrogen-producing reactors studied by 454 pyrosequencing. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 3371-3384.	1.7	81
3	Surveillance of SARS-CoV-2 in sewage and wastewater treatment plants in Mexico. <i>Journal of Water Process Engineering</i> , 2021, 40, 101815.	2.6	68
4	Different start-up strategies to enhance biohydrogen production from cheese whey in UASB reactors. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 5591-5601.	3.8	63
5	Biological pretreatments of microalgal biomass for gaseous biofuel production and the potential use of rumen microorganisms: A review. <i>Algal Research</i> , 2016, 18, 341-351.	2.4	57
6	A review on the factors influencing biohydrogen production from lactate: The key to unlocking enhanced dark fermentative processes. <i>Bioresource Technology</i> , 2021, 324, 124595.	4.8	57
7	Inoculum pretreatment promotes differences in hydrogen production performance in EGSB reactors. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 6329-6339.	3.8	53
8	Biohydrogen from food waste in a discontinuous process: Effect of HRT and microbial community analysis. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 17246-17252.	3.8	51
9	Continuous hydrogen and methane production in a two-stage cheese whey fermentation system. <i>Water Science and Technology</i> , 2011, 64, 367-374.	1.2	48
10	Approaches applied to detect SARS-CoV-2 in wastewater and perspectives post-COVID-19. <i>Journal of Water Process Engineering</i> , 2021, 40, 101947.	2.6	46
11	Hydrolysis of microalgal biomass using ruminal microorganisms as a pretreatment to increase methane recovery. <i>Bioresource Technology</i> , 2017, 244, 100-107.	4.8	45
12	Decreasing methane production in hydrogenogenic UASB reactors fed with cheese whey. <i>Biomass and Bioenergy</i> , 2014, 63, 101-108.	2.9	43
13	Biohydrogen and methane production via a two-step process using an acid pretreated native microalgae consortium. <i>Bioresource Technology</i> , 2016, 221, 324-330.	4.8	42
14	Loop-mediated isothermal amplification-based electrochemical sensor for detecting SARS-CoV-2 in wastewater samples. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107488.	3.3	37
15	A comparison of biological, enzymatic, chemical and hydrothermal pretreatments for producing biomethane from Agave bagasse. <i>Industrial Crops and Products</i> , 2020, 145, 112160.	2.5	32
16	Influence of Added Nutrients and Substrate Concentration in Biohydrogen Production from Winery Wastewaters Coupled to Methane Production. <i>Applied Biochemistry and Biotechnology</i> , 2019, 187, 140-151.	1.4	23
17	A standardized biohydrogen potential protocol: An international round robin test approach. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 26237-26247.	3.8	23
18	Strategies to cope with methanogens in hydrogen producing UASB reactors: Community dynamics. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 11423-11432.	3.8	22

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19	Heat-shock treatment applied to inocula for H ₂ production decreases microbial diversities, interspecific interactions and performance using cellulose as substrate. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 13126-13134.	3.8	22
20	Cell wash-out enrichment increases the stability and performance of biohydrogen producing packed-bed reactors and the community transition along the operation time. <i>Renewable Energy</i> , 2016, 97, 266-273.	4.3	21
21	Thermophilic biogas production from microalgae-bacteria aggregates: biogas yield, community variation and energy balance. <i>Chemosphere</i> , 2021, 275, 129898.	4.2	21
22	Biohydrogen production from winery effluents: control of the homoacetogenesis through the headspace gas recirculation. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 544-552.	1.6	20
23	Effect of inoculum pretreatment on the microbial community structure and its performance during dark fermentation using anaerobic fluidized-bed reactors. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 9589-9599.	3.8	15
24	Standardized protocol for determination of biohydrogen potential. <i>MethodsX</i> , 2020, 7, 100754.	0.7	14
25	Pretreatment and upward liquid velocity effects over granulation in hydrogen producing EGSB reactors. <i>Biochemical Engineering Journal</i> , 2016, 107, 75-84.	1.8	13
26	High robustness of a simplified microbial consortium producing hydrogen in long term operation of a biofilm fermentative reactor. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 2367-2376.	3.8	12
27	Sulfide-oxidizing bacteria establishment in an innovative microaerobic reactor with an internal silicone membrane for sulfur recovery from wastewater. <i>Biodegradation</i> , 2016, 27, 119-130.	1.5	11
28	Co-digestion of corn (nejayote) and brewery wastewater at different ratios and pH conditions for biohydrogen production. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 27422-27430.	3.8	9
29	Biomass purge strategies to control the bacterial community and reactor stability for biohydrogen production from winery wastewater. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 5891-5900.	3.8	9
30	Addition of electron shuttling compounds and different pH conditions for hydrogen production by a heat-treated sludge. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 23, 101507.	1.5	5
31	Innovative Control of Biofilms on Stainless Steel Surfaces Using Electrolyzed Water in the Dairy Industry. <i>Foods</i> , 2021, 10, 103.	1.9	5