

Marcelo Zaiat

List of Publications by Year in descending order

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Version: 2024-02-01

300
papers

8,934
citations

41323

49
h-index

74108

75
g-index

304
all docs

304
docs citations

304
times ranked

5299
citing authors

#	ARTICLE	IF	CITATIONS
1	Physicochemical pretreatment selects microbial communities to produce alcohols through metabolism of volatile fatty acids. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 2661-2675.	2.9	3
2	Evaluation of pretreatment methods and initial pH on mixed inoculum for fermentative hydrogen production from cassava wastewater. <i>Biofuels</i> , 2022, 13, 301-308.	1.4	16
3	Can different inoculum sources influence the biodegradation of sulfamethoxazole antibiotic during anaerobic digestion?. <i>Brazilian Journal of Chemical Engineering</i> , 2022, 39, 35-46.	0.7	5
4	Tetrabromobisphenol A (TBBPA) biodegradation in acidogenic systems: One step further on where and who. <i>Science of the Total Environment</i> , 2022, 808, 152016.	3.9	6
5	Hydrogen and organic acid production from dark fermentation of sugarcane vinasse without buffers in mesophilic and thermophilic conditions. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 1585-1596.	1.6	6
6	Fundamentals of Biofuel Production Using Anaerobic Digestion: Metabolic Pathways and Factors Affecting the Process. <i>Applied Environmental Science and Engineering for A Sustainable Future</i> , 2022, , 3-21.	0.2	1
7	New biotransformation pathways from sulfamethoxazole and ciprofloxacin removal in sewage treatment along the spatial profile of an anaerobic fixed bed bioreactor. <i>Bioresource Technology Reports</i> , 2022, 17, 100944.	1.5	4
8	Hydrogen and organic acid production from dark fermentation of cheese whey without buffers under mesophilic condition. <i>Journal of Environmental Management</i> , 2022, 304, 114253.	3.8	15
9	Can biogas-producing sugarcane biorefineries techno-economically outperform conventional ethanol production? Deciphering the way towards maximum profitability. <i>Energy Conversion and Management</i> , 2022, 254, 115206.	4.4	6
10	Modeling dark fermentation of cheese whey for H ₂ and n-butyrate production considering the chain elongation perspective. <i>Bioresource Technology Reports</i> , 2022, 17, 100940.	1.5	8
11	Phase separation enhances bioenergy recovery in sugarcane vinasse biodegradation: Absolute or relative truth?. <i>Bioresource Technology Reports</i> , 2022, 18, 101026.	1.5	7
12	Development of a Low-Cost Electrochemical Sensor for Monitoring Components in Wastewater Treatment Processes. <i>Environmental Technology (United Kingdom)</i> , 2022, , 1-23.	1.2	0
13	Two-phase (acidogenic-methanogenic) anaerobic fixed bed biofilm reactor enhances the biological domestic sewage treatment: Perspectives for recovering bioenergy and value-added by-products. <i>Journal of Environmental Management</i> , 2022, 317, 115388.	3.8	7
14	Selective removal and recovery of gallium and germanium from synthetic zinc refinery residues using biosorption and bioprecipitation. <i>Journal of Environmental Management</i> , 2022, 317, 115396.	3.8	14
15	Value-added soluble metabolite production from sugarcane vinasse within the carboxylate platform: An application of the anaerobic biorefinery beyond biogas production. <i>Fuel</i> , 2021, 286, 119378.	3.4	17
16	Enhancing the gas-liquid mass transfer during microbial electrosynthesis by the variation of CO ₂ flow rate. <i>Process Biochemistry</i> , 2021, 101, 50-58.	1.8	30
17	Performance of EGSB reactor using natural zeolite as support for treatment of synthetic swine wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104922.	3.3	7
18	Sugarcane vinasse extreme thermophilic digestion: a glimpse on biogas free management. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 1405-1421.	1.7	4

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19	Ecotoxicity and Antimicrobial Inhibition Assessment of Effluent from an Anaerobic Bioreactor Applied to the Removal of Sulfamethoxazole and Ciprofloxacin Antibiotics from Domestic Sewage. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	1.1	8
20	Anaerobic digestion of hydrothermal liquefaction wastewater from spent coffee grounds. <i>Biomass and Bioenergy</i> , 2021, 148, 106030.	2.9	14
21	Perfluorooctane sulfonic acid (PFOS) degradation by optimized heterogeneous photocatalysis (TiO ₂ /UV) using the response surface methodology (RSM). <i>Journal of Water Process Engineering</i> , 2021, 41, 101986.	2.6	13
22	Full details on continuous biohydrogen production from sugarcane molasses are unraveled: Performance optimization, self-regulation, metabolic correlations and quanti-qualitative biomass characterization. <i>Chemical Engineering Journal</i> , 2021, 414, 128934.	6.6	25
23	What drives Tetrabromobisphenol A degradation in biotreatment systems?. <i>Reviews in Environmental Science and Biotechnology</i> , 2021, 20, 729-750.	3.9	7
24	Thermophilic biodigestion of fermented sugarcane molasses in high-rate structured-bed reactors: Alkalinization strategies define the operating limits. <i>Energy Conversion and Management</i> , 2021, 239, 114203.	4.4	23
25	Stimulation and inhibition of direct interspecies electron transfer mechanisms within methanogenic reactors by adding magnetite and granular activated carbon. <i>Chemical Engineering Journal</i> , 2021, 415, 128882.	6.6	35
26	Counting <i>Enchytraeus crypticus</i> Juveniles in Chronic Exposures: An Alternative Method for Ecotoxicity Studies Using Tropical Artificial Soil. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021, 107, 494-499.	1.3	1
27	Reactor start-up strategy as key for high and stable hydrogen production from cheese whey thermophilic dark fermentation. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 27364-27379.	3.8	34
28	Biohydrogen-producing from bottom to top? Quali-quantitative characterization of thermophilic fermentative consortia reveals microbial roles in an upflow fixed-film reactor. <i>Chemical Engineering Journal Advances</i> , 2021, 7, 100125.	2.4	6
29	Evaluation of the influence of trace metals on methane production from domestic sewage, using the Plackett-Burman experimental design. <i>Journal of Environmental Management</i> , 2021, 294, 113002.	3.8	9
30	Diversifying the portfolio of sugarcane biorefineries: Anaerobic digestion as the core process for enhanced resource recovery. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 147, 111246.	8.2	13
31	Dynamics of sulfate reduction in the thermophilic dark fermentation of sugarcane vinasse: A biohydrogen-independent approach targeting enhanced bioenergy production. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105956.	3.3	22
32	<i>Chlamydomonas</i> strains respond differently to photoproduction of hydrogen and by-products and nutrient uptake in sulfur-deprived cultures. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105930.	3.3	9
33	Tetrabromobisphenol A (TBBPA) anaerobic biodegradation occurs during acidogenesis. <i>Chemosphere</i> , 2021, 282, 130995.	4.2	7
34	Acidic and thermal pre-treatments for anaerobic digestion inoculum to improve hydrogen and volatile fatty acid production using xylose as the substrate. <i>Renewable Energy</i> , 2020, 145, 1388-1398.	4.3	42
35	Towards the Production of mcl-PHA with Enriched Dominant Monomer Content: Process Development for the Sugarcane Biorefinery Context. <i>Journal of Polymers and the Environment</i> , 2020, 28, 844-853.	2.4	20
36	Acidogenesis is a key step in the anaerobic biotransformation of organic micropollutants. <i>Journal of Hazardous Materials</i> , 2020, 389, 121888.	6.5	42

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37	Standardized protocol for determination of biohydrogen potential. <i>MethodsX</i> , 2020, 7, 100754.	0.7	14
38	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
39	Micro-Oxygenation in Upflow Anaerobic Sludge Bed (UASB) Reactors Using a Silicon Membrane for Sulfide Oxidation. <i>Polymers</i> , 2020, 12, 1990.	2.0	0
40	Modeling anaerobic digestion metabolic pathways for antibiotic-contaminated wastewater treatment. <i>Biodegradation</i> , 2020, 31, 341-368.	1.5	4
41	Influence of culture age, ammonium and organic carbon in hydrogen production and nutrient removal by <i>Anabaena</i> sp. in nitrogen-limited cultures. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 30222-30231.	3.8	12
42	Application of Dispersive Liquid-Liquid Microextraction Followed by High-Performance Liquid Chromatography/Tandem Mass Spectrometry Analysis to Determine Tetrabromobisphenol A in Complex Matrices. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 2147-2157.	2.2	10
43	Molasses vs. juice: Maximizing biohydrogen production in sugarcane biorefineries to diversify renewable energy generation. <i>Journal of Water Process Engineering</i> , 2020, 37, 101534.	2.6	24
44	Comparison between two different fixed-bed reactor configurations for nitrogen removal coupled to biogas biodesulfurization. <i>Biochemical Engineering Journal</i> , 2020, 162, 107716.	1.8	3
45	Influence of organic loading rate on ciprofloxacin and sulfamethoxazole biodegradation in anaerobic fixed bed biofilm reactors. <i>Journal of Environmental Management</i> , 2020, 273, 111170.	3.8	43
46	Sulfidogenesis establishment under increasing metal and nutrient concentrations: An effective approach for biotreating sulfate-rich wastewaters using an innovative structured-bed reactor (AnSTBR). <i>Bioresource Technology Reports</i> , 2020, 11, 100458.	1.5	4
47	Tandem anaerobic-aerobic degradation of ranitidine, diclofenac, and simvastatin in domestic sewage. <i>Science of the Total Environment</i> , 2020, 721, 137589.	3.9	11
48	Biogas sequestration from the headspace of a fermentative system enhances hydrogen production rate and yield. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 11011-11023.	3.8	18
49	Modelling sugarcane vinasse processing in an acidogenic reactor to produce hydrogen with an ADM1-based model. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 6217-6230.	3.8	19
50	Extreme thermophilic condition: An alternative for long-term biohydrogen production from sugarcane vinasse. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 22876-22887.	3.8	37
51	Genome-wide sequencing and metabolic annotation of <i>Pythium irregulare</i> CBS 494.86: understanding Eicosapentaenoic acid production. <i>BMC Biotechnology</i> , 2019, 19, 41.	1.7	6
52	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
53	Dataset of anaerobic acidogenic digestion for hydrogen production using xylose as substrate: Biogas production and metagenomic data. <i>Data in Brief</i> , 2019, 26, 104466.	0.5	3
54	The contribution of selected organic substrates to the anaerobic cometabolism of sulfamethazine. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2019, 54, 263-270.	0.7	13

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55	Does sugarcane vinasse composition variability affect the bioenergy yield in anaerobic systems? A dual kinetic-energetic assessment. <i>Journal of Cleaner Production</i> , 2019, 240, 118005.	4.6	27
56	Influence of linear alkylbenzene sulfonate and ethanol on the degradation kinetics of domestic sewage in co-digestion with commercial laundry wastewater. <i>Bioprocess and Biosystems Engineering</i> , 2019, 42, 1547-1558.	1.7	4
57	Effects of the Organic Loading Rate on Polyhydroxyalkanoate Production from Sugarcane Stillage by Mixed Microbial Cultures. <i>Applied Biochemistry and Biotechnology</i> , 2019, 189, 1039-1055.	1.4	26
58	Feasibility of anaerobic packed and structured-bed reactors for sulfamethoxazole and ciprofloxacin removal from domestic sewage. <i>Science of the Total Environment</i> , 2019, 678, 419-429.	3.9	32
59	Rapid and easy quantification of elemental sulphur in aqueous samples from biological reactors: the turbidimetric method revisited. <i>International Journal of Environmental Analytical Chemistry</i> , 2019, 99, 809-823.	1.8	3
60	Novel insights on the versatility of biohydrogen production from sugarcane vinasse via thermophilic dark fermentation: Impacts of pH-driven operating strategies on acidogenesis metabolite profiles. <i>Bioresource Technology</i> , 2019, 286, 121379.	4.8	89
61	Dark fermentative biohydrogen production from synthetic cheese whey in an anaerobic structured-bed reactor: Performance evaluation and kinetic modeling. <i>Renewable Energy</i> , 2019, 139, 1310-1319.	4.3	54
62	Effects of effluent acidification on filtration characteristics in sidestream AnMBRs. <i>Bioresource Technology Reports</i> , 2019, 8, 100346.	1.5	3
63	Removal kinetics of sulfamethazine and its transformation products formed during treatment using a horizontal flow-anaerobic immobilized biomass bioreactor. <i>Journal of Hazardous Materials</i> , 2019, 365, 34-43.	6.5	19
64	Calibration of ADM1 using the Monte Carlo Markov Chain for modeling of anaerobic biodigestion of sugarcane vinasse in an AnSBBR. <i>Chemical Engineering Research and Design</i> , 2019, 141, 425-435.	2.7	11
65	A membrane aerated biofilm reactor for sulfide control from anaerobically treated wastewater. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 2354-2363.	1.2	11
66	Evaluation of sulfamethazine removal kinetics using fixed structured bed bioreactor. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 979-987.	1.2	4
67	Development of a mathematical model for the anaerobic digestion of antibiotic-contaminated wastewater. <i>Chemical Engineering Research and Design</i> , 2018, 134, 319-335.	2.7	7
68	Wastewater post-treatment for simultaneous ammonium removal and elemental sulfur recovery using a novel horizontal mixed aerobic-anoxic fixed-bed reactor configuration. <i>Journal of Environmental Management</i> , 2018, 215, 358-365.	3.8	12
69	Seasonal characterization of sugarcane vinasse: Assessing environmental impacts from fertirrigation and the bioenergy recovery potential through biodigestion. <i>Science of the Total Environment</i> , 2018, 634, 29-40.	3.9	95
70	Anaerobic phototrophic processes of hydrogen production by different strains of microalgae <i>Chlamydomonas</i> sp. <i>FEMS Microbiology Letters</i> , 2018, 365, .	0.7	33
71	Bioavailability and dosing strategies of Amineal in anaerobic mono-digestion of maize straw. <i>Engineering in Life Sciences</i> , 2018, 18, 562-569.	2.0	10
72	Optimization of biomass and hydrogen production by <i>Anabaena</i> sp. (UTEX 1448) in nitrogen-deprived cultures. <i>Biomass and Bioenergy</i> , 2018, 111, 70-76.	2.9	43

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73	Diversifying the technological strategies for recovering bioenergy from the two-phase anaerobic digestion of sugarcane vinasse: An integrated techno-economic and environmental approach. <i>Renewable Energy</i> , 2018, 122, 674-687.	4.3	70
74	Screening of trace metal supplementation for black water anaerobic digestion. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 1776-1785.	1.2	7
75	Performance and stability of an expanded granular sludge bed reactor modified with zeolite addition subjected to step increases of organic loading rate (OLR) and to organic shock load (OSL). <i>Water Science and Technology</i> , 2018, 77, 39-50.	1.2	9
76	Temporal dynamics and metabolic correlation between lactate-producing and hydrogen-producing bacteria in sugarcane vinasse dark fermentation: The key role of lactate. <i>Bioresource Technology</i> , 2018, 247, 426-433.	4.8	104
77	Biohydrogen production at pH below 3.0: Is it possible?. <i>Water Research</i> , 2018, 128, 350-361.	5.3	58
78	Economics of anaerobic digestion for processing sugarcane vinasse: Applying sensitivity analysis to increase process profitability in diversified biogas applications. <i>Chemical Engineering Research and Design</i> , 2018, 115, 27-37.	2.7	55
79	Feasibility of biohydrogen production by co-digestion of vinasse (sugarcane stillage) and molasses in an AnSBBR. <i>Brazilian Journal of Chemical Engineering</i> , 2018, 35, 27-41.	0.7	12
80	HYDRODYNAMIC CHARACTERISTICS OF A STRUCTURED BED REACTOR SUBJECTED TO RECIRCULATION AND INTERMITTENT AERATION (SBRRIA). <i>Brazilian Journal of Chemical Engineering</i> , 2018, 35, 641-648.	0.7	4
81	Two- vs. single-stage anaerobic reactors: evaluation of effluent quality and energy production potential using sucrose-based wastewater. <i>Water Science and Technology</i> , 2018, 78, 1966-1979.	1.2	12
82	Microbial electrosynthesis (MES) from CO ₂ is resilient to fluctuations in renewable energy supply. <i>Energy Conversion and Management</i> , 2018, 177, 272-279.	4.4	110
83	Biomass growth and its mobility in an AnSBBR treating landfill leachate. <i>Waste Management</i> , 2018, 82, 37-50.	3.7	13
84	Effect of the electric supply interruption on a microbial electrosynthesis system converting inorganic carbon into acetate. <i>Bioresource Technology</i> , 2018, 266, 203-210.	4.8	84
85	Optimization of the performance of a microbial fuel cell using the ratio electrode-surface area / anode-compartment volume. <i>Brazilian Journal of Chemical Engineering</i> , 2018, 35, 141-146.	0.7	34
86	Fate of Enrofloxacin in Lake Sediment: Biodegradation, Transformation Product Identification, and Ecotoxicological Implications. <i>Soil and Sediment Contamination</i> , 2018, 27, 357-368.	1.1	6
87	Effects of the support material addition on the hydrodynamic behavior of an anaerobic expanded granular sludge bed reactor. <i>Journal of Environmental Sciences</i> , 2017, 54, 224-230.	3.2	12
88	Designing full-scale biodigestion plants for the treatment of vinasse in sugarcane biorefineries: How phase separation and alkalization impact biogas and electricity production costs?. <i>Chemical Engineering Research and Design</i> , 2017, 119, 209-220.	2.7	66
89	Unraveling the influence of the COD/sulfate ratio on organic matter removal and methane production from the biodigestion of sugarcane vinasse. <i>Bioresource Technology</i> , 2017, 232, 103-112.	4.8	83
90	Metal fractionation in sludge from sewage UASB treatment. <i>Journal of Environmental Management</i> , 2017, 193, 98-107.	3.8	30

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91	High value added lipids produced by microorganisms: a potential use of sugarcane vinasse. <i>Critical Reviews in Biotechnology</i> , 2017, 37, 1048-1061.	5.1	18
92	Anaerobic Digestion of Sugarcane Vinasse Through a Methanogenic UASB Reactor Followed by a Packed Bed Reactor. <i>Applied Biochemistry and Biotechnology</i> , 2017, 183, 1127-1145.	1.4	29
93	CFD Simulations of Fluid Dynamics Inside a Fixed-Bed Bioreactor for Sugarcane Vinasse Treatment. <i>Lecture Notes in Civil Engineering</i> , 2017, , 684-690.	0.3	1
94	Design study of an AnSBBR for hydrogen production by co-digestion of whey with glycerin: Interaction effects of organic load, cycle time and feed strategy. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 9567-9576.	3.8	10
95	Calcium dosing for the simultaneous control of biomass retention and the enhancement of fermentative biohydrogen production in an innovative fixed-film bioreactor. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 12181-12196.	3.8	23
96	Thermophilic two-phase anaerobic digestion using an innovative fixed-bed reactor for enhanced organic matter removal and bioenergy recovery from sugarcane vinasse. <i>Applied Energy</i> , 2017, 189, 480-491.	5.1	153
97	Reduction in greenhouse gas emissions from vinasse through anaerobic digestion. <i>Applied Energy</i> , 2017, 189, 21-30.	5.1	55
98	Biohydrogen production by co-digesting whey and glycerin in an AnSBBR: Performance optimization, metabolic pathway kinetic modeling and phylogenetic characterization. <i>Biochemical Engineering Journal</i> , 2017, 128, 93-105.	1.8	17
99	Removal of the veterinary antimicrobial sulfamethazine in a horizontal-flow anaerobic immobilized biomass (HAIB) reactor subjected to step changes in the applied organic loading rate. <i>Journal of Environmental Management</i> , 2017, 204, 674-683.	3.8	24
100	New operational mode of an electrochemical reactor and its application to the degradation of levofloxacin. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 4441-4446.	3.3	24
101	Data of added-value lipid production, Arachidonic acid, among other lipids by <i>Mortierella elongata</i> , using low cost simulated wastewater. <i>Data in Brief</i> , 2017, 14, 255-259.	0.5	5
102	On the Effects of Ferricyanide as Cathodic Mediator on the Performance of Microbial Fuel Cells. <i>Electrocatalysis</i> , 2017, 8, 59-66.	1.5	26
103	Influence of carbon electrode material on energy recovery from winery wastewater using a dual-chamber microbial fuel cell. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 1333-1341.	1.2	33
104	AnSBBR applied to biomethane production for vinasse treatment: effects of organic loading, feed strategy and temperature. <i>Brazilian Journal of Chemical Engineering</i> , 2017, 34, 759-773.	0.7	15
105	COMBINED TREATMENT OF VINASSE BY AN UPFLOW ANAEROBIC FILTER-REACTOR AND OZONATION PROCESS. <i>Brazilian Journal of Chemical Engineering</i> , 2016, 33, 753-762.	0.7	24
106	EVALUATION OF AN INNOVATIVE ANAEROBIC BIOREACTOR WITH FIXED-STRUCTURED BED (ABFSB) FOR BREWERY WASTEWATER TREATMENT. <i>Brazilian Journal of Chemical Engineering</i> , 2016, 33, 733-741.	0.7	2
107	Energy recovery from winery wastewater using a dual chamber microbial fuel cell. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 1802-1808.	1.6	42
108	Application of horizontal-flow anaerobic immobilized biomass reactor for bioremediation of acid mine drainage. <i>Journal of Water and Health</i> , 2016, 14, 399-410.	1.1	12

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109	Hydrodynamic study of a horizontal-flow anaerobic immobilized biomass reactor: Radial porosity and velocity distribution of wastewater flow. <i>Chemical Engineering Research and Design</i> , 2016, 109, 421-429.	2.7	2
110	Influence of sludge age on the performance of MFC treating winery wastewater. <i>Chemosphere</i> , 2016, 151, 163-170.	4.2	46
111	Optimization, metabolic pathways modeling and scale-up estimative of an AnSBBR applied to biohydrogen production by co-digestion of vinasse and molasses. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 20473-20484.	3.8	41
112	Kinetics of thermophilic acidogenesis of typical Brazilian sugarcane vinasse. <i>Energy</i> , 2016, 116, 1097-1103.	4.5	17
113	Co-digestion of Whey with Glycerin in an AnSBBR for Biomethane Production. <i>Applied Biochemistry and Biotechnology</i> , 2016, 178, 126-143.	1.4	33
114	A novel anaerobic down-flow structured-bed reactor for long-term stable H ₂ energy production from wastewater. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 1551-1561.	1.6	29
115	Thermophilic biohydrogen production using a UASB reactor: performance during long-term operation. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 967-976.	1.6	20
116	Optimization performance of an AnSBBR applied to biohydrogen production treating whey. <i>Journal of Environmental Management</i> , 2016, 169, 191-201.	3.8	23
117	Use of VSB to Plan Research Programs and Public Policies. <i>Green Energy and Technology</i> , 2016, , 257-282.	0.4	4
118	Improvement of hydrogen production via ethanol-type fermentation in an anaerobic down-flow structured bed reactor. <i>Bioresource Technology</i> , 2016, 202, 42-49.	4.8	63
119	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
120	Bacteriocins of lactic acid bacteria as a hindering factor for biohydrogen production from cassava flour wastewater in a continuous multiple tube reactor. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 8120-8131.	3.8	63
121	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
122	Evaluation of sulfamethazine sorption and biodegradation by anaerobic granular sludge using batch experiments. <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 115-124.	1.7	41
123	Thermophilic anaerobic digestion of raw sugarcane vinasse. <i>Renewable Energy</i> , 2016, 89, 245-252.	4.3	139
124	Sulfur Recovery from Wastewater Using a Micro-aerobic External Silicone Membrane Reactor (ESMR). <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	17
125	Effect of Natural Mineral on Methane Production and Process Stability During Semi-Continuous Mono-Digestion of Maize Straw. <i>Applied Biochemistry and Biotechnology</i> , 2016, 178, 1522-1533.	1.4	4
126	Operational strategies for long-term biohydrogen production from sugarcane stillage in a continuous acidogenic packed-bed reactor. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 8132-8145.	3.8	90

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127	Anaerobic Biological Treatment of Vinasse for Environmental Compliance and Methane Production. <i>Applied Biochemistry and Biotechnology</i> , 2016, 178, 21-43.	1.4	31
128	Sulfamethoxazole and ciprofloxacin removal using a horizontal-flow anaerobic immobilized biomass reactor. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 847-853.	1.2	18
129	THE "CHEMICAL OXYGEN DEMAND / TOTAL VOLATILE ACIDS" RATIO AS AN ANAEROBIC TREATABILITY INDICATOR FOR LANDFILL LEACHATES. <i>Brazilian Journal of Chemical Engineering</i> , 2015, 32, 73-86.	0.7	11
130	BIOHYDROGEN FROM CHEESE WHEY TREATMENT IN AN AnSBBR: ACHIEVING PROCESS STABILITY. <i>Brazilian Journal of Chemical Engineering</i> , 2015, 32, 397-408.	0.7	15
131	Influence of Organic Load on Biohydrogen Production in an AnSBBR Treating Glucose-Based Wastewater. <i>Applied Biochemistry and Biotechnology</i> , 2015, 176, 796-816.	1.4	3
132	Biohydrogen Production in an AnSBBR Treating Glycerin-Based Wastewater: Effects of Organic Loading, Influent Concentration, and Cycle Time. <i>Applied Biochemistry and Biotechnology</i> , 2015, 175, 1892-1914.	1.4	17
133	Anaerobic digestion of vinasse from sugarcane ethanol production in Brazil: Challenges and perspectives. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 44, 888-903.	8.2	319
134	High organic loading rate on thermophilic hydrogen production and metagenomic study at an anaerobic packed-bed reactor treating a residual liquid stream of a Brazilian biorefinery. <i>Bioresource Technology</i> , 2015, 186, 81-88.	4.8	88
135	Mesophilic hydrogen production in acidogenic packed-bed reactors (APBR) using raw sugarcane vinasse as substrate: Influence of support materials. <i>Anaerobe</i> , 2015, 34, 94-105.	1.0	90
136	The Influence of the Buffering Capacity on the Production of Organic Acids and Alcohols from Wastewater in Anaerobic Reactor. <i>Applied Biochemistry and Biotechnology</i> , 2015, 175, 2258-2265.	1.4	13
137	The effect of organic load and feed strategy on biohydrogen production in an AnSBBR treating glycerin-based wastewater. <i>Journal of Environmental Management</i> , 2015, 154, 128-137.	3.8	24
138	Biogas production within the bioethanol production chain: Use of co-substrates for anaerobic digestion of sugar beet vinasse. <i>Bioresource Technology</i> , 2015, 190, 227-234.	4.8	60
139	The application of an innovative continuous multiple tube reactor as a strategy to control the specific organic loading rate for biohydrogen production by dark fermentation. <i>Bioresource Technology</i> , 2015, 197, 201-207.	4.8	35
140	Rapid determination of 12 antibiotics and caffeine in sewage and bioreactor effluent by online column-switching liquid chromatography/tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 8787-8801.	1.9	30
141	The use of the carbon/nitrogen ratio and specific organic loading rate as tools for improving biohydrogen production in fixed-bed reactors. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2015, 5, 46-54.	2.1	106
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