

# Edson Luis Silva

## List of Publications by Citations

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98  
papers

1,908  
citations

27  
h-index

38  
g-index

104  
ext. papers

2,357  
ext. citations

6  
avg, IF

5.55  
L-index

| #  | Paper   | IF   | Citations |
|----|---|------|-----------|
| 98 | Hydrothermal processing of biomass for anaerobic digestion [A review]. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 98, 108-124  | 16.2 | 91        |
| 97 | Anaerobic fluidized bed reactor with expanded clay as support for hydrogen production through dark fermentation of glucose. <i>International Journal of Hydrogen Energy</i> , <b>2009</b> , 34, 783-790                                   | 6.7  | 87        |
| 96 | Biohydrogen production in anaerobic fluidized bed reactors: Effect of support material and hydraulic retention time. <i>International Journal of Hydrogen Energy</i> , <b>2010</b> , 35, 3379-3388  | 6.7  | 80        |
| 95 | Hydrogen production from cheese whey with ethanol-type fermentation: effect of hydraulic retention time on the microbial community composition. <i>Bioresource Technology</i> , <b>2014</b> , 161, 10-19                                  | 11   | 67        |
| 94 | Effect of substrate concentration on dark fermentation hydrogen production using an anaerobic fluidized bed reactor. <i>Applied Biochemistry and Biotechnology</i> , <b>2012</b> , 166, 1248-63   | 3.2  | 56        |
| 93 | Anaerobic degradation of linear alkylbenzene sulfonate (LAS) in fluidized bed reactor by microbial consortia in different support materials. <i>Bioresource Technology</i> , <b>2010</b> , 101, 5112-22                                   | 11   | 54        |
| 92 | Organic loading rate impact on biohydrogen production and microbial communities at anaerobic fluidized thermophilic bed reactors treating sugarcane stillage. <i>Bioresource Technology</i> , <b>2014</b> , 159, 55-63 <sup>11</sup>      | 11   | 52        |
| 91 | Performance evaluation of packing materials in the removal of hydrogen sulphide in gas-phase biofilters: Polyurethane foam, sugarcane bagasse, and coconut fibre. <i>Chemical Engineering Journal</i> , <b>2010</b> , 158, 441-450        | 14.7 | 50        |
| 90 | Hydrogen production from diluted and raw sugarcane vinasse under thermophilic anaerobic conditions. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 9599-9610   | 6.7  | 49        |
| 89 | Long-term stability of hydrogen and organic acids production in an anaerobic fluidized-bed reactor using heat treated anaerobic sludge inoculum. <i>International Journal of Hydrogen Energy</i> , <b>2009</b> , 34, 3679-3688            | 6.7  | 49        |
| 88 | Microbial characterization and degradation of linear alkylbenzene sulfonate in an anaerobic reactor treating wastewater containing soap powder. <i>Bioresource Technology</i> , <b>2014</b> , 167, 316-23                                 | 11   | 48        |
| 87 | Continuous thermophilic hydrogen production and microbial community analysis from anaerobic digestion of diluted sugar cane stillage. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 9000-9011                       | 6.7  | 45        |
| 86 | Different ratios of carbon sources in the fermentation of cheese whey and glucose as substrates for hydrogen and ethanol production in continuous reactors. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 1288-1296 | 6.7  | 45        |
| 85 | Evaluation of hydrogen and methane production from sugarcane vinasse in an anaerobic fluidized bed reactor. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 8498-8509   | 6.7  | 45        |
| 84 | Hydrogen and ethanol production in anaerobic fluidized bed reactors: Performance evaluation for three support materials under different operating conditions. <i>Biochemical Engineering Journal</i> , <b>2012</b> , 61, 59-65            | 4.2  | 44        |
| 83 | Effect of inoculum concentration, pH, light intensity and lighting regime on hydrogen production by phototrophic microbial consortium. <i>Renewable Energy</i> , <b>2015</b> , 75, 1-7  | 8.1  | 41        |
| 82 | Performance evaluation and phylogenetic characterization of anaerobic fluidized bed reactors using ground tire and pet as support materials for biohydrogen production. <i>Bioresource Technology</i> , <b>2011</b> , 102, 3840-7         | 11   | 41        |

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| 81 | Continuous thermophilic hydrogen production from cheese whey powder solution in an anaerobic fluidized bed reactor: Effect of hydraulic retention time and initial substrate concentration. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 4848-4860          | 6.7  | 35 |
| 80 | Hydrogen, alcohols and volatile fatty acids from the co-digestion of coffee waste (coffee pulp, husk, and processing wastewater) by applying autochthonous microorganisms. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 21434-21450                         | 6.7  | 34 |
| 79 | Performance and composition of bacterial communities in anaerobic fluidized bed reactors for hydrogen production: Effects of organic loading rate and alkalinity. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 16925-16934                                  | 6.7  | 34 |
| 78 | Influence of organic loading rate on the anaerobic treatment of sugarcane vinasse and biogas production in fluidized bed reactor. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2013</b> , 48, 1707-16 | 2.3  | 34 |
| 77 | Effects of hydraulic retention time, co-substrate and nitrogen source on laundry wastewater anionic surfactant degradation in fluidized bed reactors. <i>Bioresource Technology</i> , <b>2017</b> , 224, 246-254   | 11   | 32 |
| 76 | Degradation of high concentrations of nonionic surfactant (linear alcohol ethoxylate) in an anaerobic fluidized bed reactor. <i>Science of the Total Environment</i> , <b>2014</b> , 481, 121-8  | 10.2 | 31 |
| 75 | Characterization and antimicrobial activity of lactic acid bacteria from fermentative bioreactors during hydrogen production using cassava processing wastewater. <i>Chemical Engineering Journal</i> , <b>2016</b> , 284, 1-9   | 14.7 | 30 |
| 74 | Optimization of hydrogen and organic acids productions with autochthonous and allochthonous bacteria from sugarcane bagasse in batch reactors. <i>Journal of Environmental Management</i> , <b>2018</b> , 223, 952-963   | 7.9  | 30 |
| 73 | Effect of upflow velocity and hydraulic retention time in anaerobic fluidized-bed reactors used for hydrogen production. <i>Chemical Engineering Journal</i> , <b>2011</b> , 172, 28-36  | 14.7 | 28 |
| 72 | Sequential fermentative and phototrophic system for hydrogen production: An approach for Brazilian alcohol distillery wastewater. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 9642-9655  | 6.7  | 27 |
| 71 | Role of homo- and heterofermentative lactic acid bacteria on hydrogen-producing reactors operated with cheese whey wastewater. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 8650-8660   | 6.7  | 25 |
| 70 | Evaluation of bacterial community from anaerobic fluidized bed reactor for the removal of linear alkylbenzene sulfonate from laundry wastewater by 454-pyrosequence. <i>Ecological Engineering</i> , <b>2015</b> , 82, 231-240   | 3.9  | 24 |
| 69 | Bacillus sp. isolated from banana waste and analysis of metabolic pathways in acidogenic systems in hydrogen production. <i>Journal of Environmental Management</i> , <b>2019</b> , 247, 178-186   | 7.9  | 23 |
| 68 | Metabolic routes involved in the removal of linear alkylbenzene sulfonate (LAS) employing linear alcohol ethoxylated and ethanol as co-substrates in enlarged scale fluidized bed reactor. <i>Science of the Total Environment</i> , <b>2018</b> , 640-641, 1411-1423              | 10.2 | 22 |
| 67 | Continuous hydrogen production from cofermentation of sugarcane vinasse and cheese whey in a thermophilic anaerobic fluidized bed reactor. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 13081-13089   | 6.7  | 22 |
| 66 | Production of H <sub>2</sub> from cellulose by rumen microorganisms: effects of inocula pre-treatment and enzymatic hydrolysis. <i>Biotechnology Letters</i> , <b>2014</b> , 36, 537-46  | 3    | 21 |
| 65 | Metagenomic analysis and optimization of hydrogen production from sugarcane bagasse. <i>Biomass and Bioenergy</i> , <b>2018</b> , 117, 78-85   | 5.3  | 19 |
| 64 | Hydrogen production from sugarcane juice in expanded granular sludge bed reactors under mesophilic conditions: The role of homoacetogenesis and lactic acid production. <i>Industrial Crops and Products</i> , <b>2019</b> , 138, 111586   | 5.9  | 19 |

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| 63 | HRT control as a strategy to enhance continuous hydrogen production from sugarcane juice under mesophilic and thermophilic conditions in AFBRs. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 19719-19729  | 6.7  | 18 |
| 62 | The effects of seed sludge and hydraulic retention time on the production of hydrogen from a cassava processing wastewater and glucose mixture in an anaerobic fluidized bed reactor. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 13118-13127                          | 6.7  | 18 |
| 61 | Thermophilic hydrogen and methane production from sugarcane stillage in two-stage anaerobic fluidized bed reactors. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 5239-5251  | 6.7  | 18 |
| 60 | Selection of metabolic pathways for continuous hydrogen production under thermophilic and mesophilic temperature conditions in anaerobic fluidized bed reactors. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 18908-18917   | 6.7  | 18 |
| 59 | Continuous Hydrogen Production from Agricultural Wastewaters at Thermophilic and Hyperthermophilic Temperatures. <i>Applied Biochemistry and Biotechnology</i> , <b>2017</b> , 182, 846-869  | 3.2  | 17 |
| 58 | Statistical optimization of H <sub>2</sub> , 1,3-propanediol and propionic acid production from crude glycerol using an anaerobic fluidized bed reactor: Interaction effects of substrate concentration and hydraulic retention time. <i>Biomass and Bioenergy</i> , <b>2020</b> , 138, 105575 | 5.3  | 17 |
| 57 | Optimization of key factors affecting hydrogen production from coffee waste using factorial design and metagenomic analysis of the microbial community. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 4205-4222  | 6.7  | 17 |
| 56 | Influence of C/P and C/N ratios and microbial characterization in hydrogen and ethanol production in an anaerobic fluidized bed reactor. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 9600-9610   | 6.7  | 14 |
| 55 | Co-Fermentation of Cheese Whey and Crude Glycerol in EGSB Reactor as a Strategy to Enhance Continuous Hydrogen and Propionic Acid Production. <i>Applied Biochemistry and Biotechnology</i> , <b>2017</b> , 183, 712-728   | 3.2  | 14 |
| 54 | Design and optimization of hydrogen production from hydrothermally pretreated sugarcane bagasse using response surface methodology. <i>Water Science and Technology</i> , <b>2017</b> , 76, 95-105   | 2.2  | 14 |
| 53 | Valorization of the Crude Glycerol for Propionic Acid Production Using an Anaerobic Fluidized Bed Reactor with Grounded Tires as Support Material. <i>Applied Biochemistry and Biotechnology</i> , <b>2018</b> , 186, 400-413  | 3.2  | 14 |
| 52 | Experimental design and syntrophic microbial pathways for biofuel production from sugarcane bagasse under thermophilic condition. <i>Renewable Energy</i> , <b>2019</b> , 140, 852-861   | 8.1  | 13 |
| 51 | Metagenomic analysis of autochthonous microbial biomass from banana waste: Screening design of factors that affect hydrogen production. <i>Biomass and Bioenergy</i> , <b>2020</b> , 138, 105573   | 5.3  | 13 |
| 50 | An alternative for value aggregation to the sugarcane chain: Biohydrogen and volatile fatty acids production from sugarcane molasses in mesophilic expanded granular sludge bed reactors. <i>Fuel</i> , <b>2020</b> , 260, 116419  | 7.1  | 13 |
| 49 | Simultaneous determination of anionic and nonionic surfactants in commercial laundry wastewater and anaerobic fluidized bed reactor effluent by online column-switching liquid chromatography/tandem mass spectrometry. <i>Science of the Total Environment</i> , <b>2017</b> , 580, 1120-1128 | 10.2 | 12 |
| 48 | The Biological Hydrogen Production Potential of Agroindustrial Residues. <i>Waste and Biomass Valorization</i> , <b>2015</b> , 6, 273-280  | 3.2  | 11 |
| 47 | Bioconversion of waste office paper to hydrogen using pretreated rumen fluid inoculum. <i>Bioprocess and Biosystems Engineering</i> , <b>2016</b> , 39, 1887-1897  | 3.7  | 11 |
| 46 | Kinetics of methane production and biodegradation of linear alkylbenzene sulfonate from laundry wastewater. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2016</b> , 51, 1288-1302                                 | 2.3  | 11 |

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| 45 | Enhancement of <i>Clostridium butyricum</i> hydrogen production by iron and nickel nanoparticles: Effects on <i>hydA</i> expression. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 28447-28461   | 6.7  | 11 |
| 44 | Controlling methane and hydrogen production from cheese whey in an EGSB reactor by changing the HRT. <i>Bioprocess and Biosystems Engineering</i> , <b>2020</b> , 43, 673-684  | 3.7  | 10 |
| 43 | Methane Production from Hydrogen Peroxide Assisted Hydrothermal Pretreatment of Solid Fraction Sugarcane Bagasse. <i>Waste and Biomass Valorization</i> , <b>2020</b> , 11, 31-50  | 3.2  | 10 |
| 42 | Improving the hydrogen production from coffee waste through hydrothermal pretreatment, co-digestion and microbial consortium bioaugmentation. <i>Biomass and Bioenergy</i> , <b>2020</b> , 137, 105551   | 5.3  | 9  |
| 41 | Anaerobic digestion of vinasse in fluidized bed reactors: Process robustness between two-stage thermophilic-thermophilic and thermophilic-mesophilic systems. <i>Journal of Cleaner Production</i> , <b>2021</b> , 314, 128066   | 10.3 | 9  |
| 40 | 4-Nonylphenol degradation changes microbial community of scale-up Anaerobic Fluidized Bed Reactor. <i>Journal of Environmental Management</i> , <b>2020</b> , 267, 110575  | 7.9  | 8  |
| 39 | Simultaneous hydrogen and ethanol production in a thermophilic AFBR: a comparative approach between cellulosic hydrolysate single fermentation and the fermentation of glucose and xylose as co-substrates. <i>Cellulose</i> , <b>2020</b> , 27, 2599-2612               | 5.5  | 8  |
| 38 | The influence of upflow velocity and hydraulic retention time changes on taxonomic and functional characterization in Fluidized Bed Reactor treating commercial laundry wastewater in co-digestion with domestic sewage. <i>Biodegradation</i> , <b>2020</b> , 31, 73-89 | 4.1  | 8  |
| 37 | Simultaneous removal of phenol and nitrate in an anoxic fluidized bed reactor. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2013</b> , 48, 581-91   | 2.3  | 8  |
| 36 | Microbial community analyses by high-throughput sequencing of rumen microorganisms fermenting office paper in mesophilic and thermophilic lysimeters. <i>Chemical Engineering Research and Design</i> , <b>2020</b> , 136, 182-193                                       | 5.5  | 8  |
| 35 | Influence of Sucrose on the Diversity of Bacteria Involved in Nonionic Surfactant Degradation in Fluidized Bed Reactor. <i>Water, Air, and Soil Pollution</i> , <b>2017</b> , 228, 1   | 2.6  | 7  |
| 34 | Improving EGSB reactor performance for simultaneous bioenergy and organic acid production from cheese whey via continuous biological H <sub>2</sub> production. <i>Biotechnology Letters</i> , <b>2017</b> , 39, 983-991   | 3    | 7  |
| 33 | Simultaneous coproduction of hydrogen and ethanol in anaerobic packed-bed reactors. <i>BioMed Research International</i> , <b>2014</b> , 2014, 921291  | 3    | 7  |
| 32 | Improved dark fermentation of cane molasses in mesophilic and thermophilic anaerobic fluidized bed reactors by selecting operational conditions. <i>International Journal of Energy Research</i> , <b>2020</b> , 44, 10442-10452   | 4.5  | 7  |
| 31 | Enzymatic routes to hydrogen and organic acids production from banana waste fermentation by autochthonous bacteria: Optimization of pH and temperature. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 8454-8468                                    | 6.7  | 7  |
| 30 | Identification of Anionic and Nonionic Surfactant and Recalcitrants Compounds in Commercial Laundry Wastewater by GC-MS Analysis After Anaerobic Fluidized Bed Reactor Treatment. <i>Water, Air, and Soil Pollution</i> , <b>2019</b> , 230, 1                           | 2.6  | 6  |
| 29 | Screening design of nutritional and physicochemical parameters on bio-hydrogen and volatile fatty acids production from Citrus Peel Waste in batch reactors. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 7794-7809                               | 6.7  | 6  |
| 28 | Optimized 1,3-propanediol production from crude glycerol using mixed cultures in batch and continuous reactors. <i>Bioprocess and Biosystems Engineering</i> , <b>2018</b> , 41, 1807-1816   | 3.7  | 6  |

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| 27 | Phenol Biodegradation by <i>Pseudomonas putida</i> in an Airlift Reactor: Assessment of Kinetic, Hydrodynamic, and Mass Transfer Parameters. <i>Water, Air, and Soil Pollution</i> , <b>2017</b> , 228, 1  | 2.6 | 5 |
| 26 | Dynamics and response of microbial diversity to nutritional conditions in denitrifying bioreactor for linear alkylbenzene sulfonate removal. <i>Journal of Environmental Management</i> , <b>2020</b> , 263, 110387  | 7.9 | 5 |
| 25 | Biodegradation of linear alkylbenzene sulfonate in commercial laundry wastewater by an anaerobic fluidized bed reactor. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2015</b> , 50, 946-57              | 2.3 | 5 |
| 24 | Bioconversion of pretreated sugarcane vinasse into hydrogen: new perspectives to solve one of the greatest issues of the sugarcane biorefinery. <i>Biomass Conversion and Biorefinery</i> , <b>2020</b> , 1  | 2.3 | 5 |
| 23 | Screening and Bioprospecting of Anaerobic Consortia for Biofuel Production Enhancement from Sugarcane Bagasse. <i>Applied Biochemistry and Biotechnology</i> , <b>2020</b> , 190, 232-251  | 3.2 | 5 |
| 22 | Homoacetogenesis: New insights into controlling this unsolved challenge by selecting the optimal C/N ratio, C/P ratio and hydraulic retention time. <i>Chemical Engineering Research and Design</i> , <b>2021</b> , 145, 273-284   | 5.5 | 5 |
| 21 | Bioremoval of Surfactant from Laundry Wastewater in Optimized Condition by Anoxic Reactors. <i>Water, Air, and Soil Pollution</i> , <b>2017</b> , 228, 1   | 2.6 | 4 |
| 20 | 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> , <b>2019</b> , 42, 1547-1558   | 3.7 | 4 |
| 19 | Effects of the Organic-Loading Rate on the Performance of an Anaerobic Fluidized-Bed Reactor Treating Synthetic Wastewater Containing Phenol. <i>Journal of Environmental Engineering, ASCE</i> , <b>2015</b> , 141, 04015022  | 2   | 4 |
| 18 | Statistical optimization of methane production from brewery spent grain: Interaction effects of temperature and substrate concentration. <i>Journal of Environmental Management</i> , <b>2021</b> , 288, 112363  | 7.9 | 4 |
| 17 | Review of Continuous Fermentative Hydrogen-Producing Bioreactors from Complex Wastewater <b>2017</b> ,   |     | 3 |
| 16 | A new side-looking at the dark fermentation of sugarcane vinasse: Improving the carboxylates production in mesophilic EGSB by selection of the hydraulic retention time and substrate concentration. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 12758-12770 | 6.7 | 3 |
| 15 | Microbial and functional characterization of an allochthonous consortium applied to hydrogen production from Citrus Peel Waste in batch reactor in optimized conditions. <i>Journal of Environmental Management</i> , <b>2021</b> , 291, 112631                                      | 7.9 | 3 |
| 14 | Bioaugmentation with <i>Enterococcus casseliflavus</i> : A Hydrogen-Producing Strain Isolated from Citrus Peel Waste. <i>Waste and Biomass Valorization</i> , <b>2021</b> , 12, 895-911  | 3.2 | 2 |
| 13 | Influence of ethanol and nitrate on ibuprofen removal in batch reactors under denitrifying conditions. <i>Chemical Engineering Research and Design</i> , <b>2022</b> , 160, 297-309  | 5.5 | 2 |
| 12 | Potential methanogenic and degradation of nonylphenol ethoxylate from domestic sewage: unraveling the essential roles of nutritional conditions and microbial community.. <i>Environmental Technology (United Kingdom)</i> , <b>2021</b> , 1-28                                      | 2.6 | 1 |
| 11 | New Insights into Controlling Homoacetogenesis in the Co-digestion of Coffee Waste: Effect of Operational Conditions and Characterization of Microbial Communities. <i>Applied Biochemistry and Biotechnology</i> , <b>2021</b> , 1  | 3.2 | 1 |
| 10 | Metataxonomic characterization of bacterial and archaeal community involved in hydrogen and methane production from citrus peel waste ( <i>Citrus sinensis</i> L. Osbeck) in batch reactors. <i>Biomass and Bioenergy</i> , <b>2021</b> , 149, 106091                                | 5.3 | 1 |

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| 9 | Anaerobic Biodegradation of Biodiesel Industry Wastewater in Mesophilic and Thermophilic Fluidized Bed Reactors: Enhancing Treatment and Methane Recovery. <i>Applied Biochemistry and Biotechnology</i> , <b>2021</b> , 193, 3336-3350          | 3.2  | 1 |
| 8 | Dissecting the role of heterogeneity and hydrothermal pretreatment of sugarcane bagasse in metabolic pathways for biofuels production. <i>Industrial Crops and Products</i> , <b>2021</b> , 160, 113120  | 5.9  | 1 |
| 7 | One waste and two products: choosing the best operational temperature and hydraulic retention time to recover hydrogen or 1,3-propanediol from glycerol fermentation. <i>Bioprocess and Biosystems Engineering</i> , <b>2021</b> , 44, 2491-2502 | 3.7  | 1 |
| 6 | Methane Production Using Brewery Spent Grain: Optimal Hydrothermolysis, Fermentation of Waste and Role of Microbial Populations. <i>Waste and Biomass Valorization</i> ,1  | 3.2  | 1 |
| 5 | Optimization of Key Factors Affecting Hydrogen and Ethanol Production from Xylose by Thermoanaerobacterium calidifontis VCS1 Isolated from Vinasse Treatment Sludge. <i>Waste and Biomass Valorization</i> ,1                                    | 3.2  | 0 |
| 4 | Enhanced fermentative production of 1,3 propanediol by employing ethanol industry wastewater. <i>Bioresource Technology Reports</i> , <b>2021</b> , 16, 100865   | 4.1  | 0 |
| 3 | Bioprospecting Sulfuric Acid Assisted Hydrothermal Pretreatment of Sugarcane Bagasse and Microbial Community Structure for Methane Production. <i>Bioenergy Research</i> ,1  | 3.1  | 0 |
| 2 | Microbial and functional characterization of granulated sludge from full-scale UASB thermophilic reactor applied to sugarcane vinasse treatment.. <i>Environmental Technology (United Kingdom)</i> , <b>2022</b> , 1-42 <sup>2.6</sup>           |      | 0 |
| 1 | Scale-up and energy estimations of single- and two-stage vinasse anaerobic digestion systems for hydrogen and methane production. <i>Journal of Cleaner Production</i> , <b>2022</b> , 349, 131459   | 10.3 | 0 |