

# Juan-Rodrigo Bastidas-Oyanedel

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3553472/publications.pdf>

Version: 2024-02-01

40  
papers

873  
citations

643344

15  
h-index

536525

29  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1237  
citing authors

| #  | ARTICLE                                                                                                                                                                           | IF  | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | Enhanced short-chain carboxylic acids yield in dark fermentation by cyclic product removal. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 51-59.                          | 2.9 | 3         |
| 2  | Feasibility of United Arab Emirates Native Seaweed <i>Ulva intestinalis</i> as a Food Source: Study of Nutritional and Mineral Compositions. <i>Phycology</i> , 2022, 2, 120-131. | 1.7 | 3         |
| 3  | Multiscale Analysis to Determine the Sensitive Zones for Temperature Sensor Location in Tubular Reactors. <i>Chemical Engineering and Technology</i> , 2021, 44, 1259-1269.       | 0.9 | 2         |
| 4  | A Study on the Feasibility of Anaerobic Co-Digestion of Raw Cheese Whey with Coffee Pulp Residues. <i>Energies</i> , 2021, 14, 3611.                                              | 1.6 | 7         |
| 5  | An Unstructured Model for Anaerobic Treatment of Raw Cheese Whey for Volatile Fatty Acids Production. <i>Energies</i> , 2020, 13, 1850.                                           | 1.6 | 2         |
| 6  | Systematic production and characterization of pyrolysis-oil from date tree wastes for bio-fuel applications. <i>Biomass and Bioenergy</i> , 2020, 135, 105523.                    | 2.9 | 57        |
| 7  | Techno-Economic Assessment of Whey Protein-Based Plastic Production from a Co-Polymerization Process. <i>Polymers</i> , 2020, 12, 847.                                            | 2.0 | 18        |
| 8  | Preparation and Characterization of Whey Protein-Based Polymers Produced from Residual Dairy Streams. <i>Polymers</i> , 2019, 11, 722.                                            | 2.0 | 26        |
| 9  | Techno-economic Analysis of Fermentation-Based Biorefinery: Creating Value from Food Residues. , 2019, , 535-552.                                                                 |     | 1         |
| 10 | The Future Perspectives of Dark Fermentation: Moving from Only Biohydrogen to Biochemicals. , 2019, , 375-412.                                                                    |     | 6         |
| 11 | Exploring the Selective Lactic Acid Production from Food Waste in Uncontrolled pH Mixed Culture Fermentations Using Different Reactor Configurations. , 2019, , 461-477.          |     | 0         |
| 12 | Effect of Total Solid Content and Pretreatment on the Production of Lactic Acid from Mixed Culture Dark Fermentation of Food Waste. , 2019, , 479-490.                            |     | 0         |
| 13 | Characterization of <i>Avicennia marina</i> : An Arid-Coastal Biomassâ€™Toward Biorefinery Products. , 2019, , 669-677.                                                           |     | 0         |
| 14 | Techno-economic Assessment of Microalgae Biorefinery as a Source of Proteins, Pigments, and Fatty acids: A Case Study for the United Arab Emirates. , 2019, , 679-693.            |     | 1         |
| 15 | Factors Affecting Seawater-Based Pretreatment of Lignocellulosic Date Palm Residues. , 2019, , 695-713.                                                                           |     | 2         |
| 16 | Pyrolysis Kinetics of Arid-Land Biomasses. , 2019, , 715-725.                                                                                                                     |     | 0         |
| 17 | Screening and Production of Biogas from Macro Algae Biomass of <i>Padina boergesenii</i> , <i>Colpomenia sinuosa</i> , and <i>Ulva sp.</i> , 2019, , 727-740.                     |     | 2         |
| 18 | Effect of total solid content and pretreatment on the production of lactic acid from mixed culture dark fermentation of food waste. <i>Waste Management</i> , 2018, 77, 516-521.  | 3.7 | 43        |

| #  | ARTICLE                                                                                                                                                                                           | IF  | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Valorization of Arid Region Abattoir Animal Waste: Determination of Biomethane Potential. Waste and Biomass Valorization, 2018, 9, 2327-2335.                                                     | 1.8 | 3         |
| 20 | Natural antibacterial agents from arid-region pretreated lignocellulosic biomasses and extracts for the control of lactic acid bacteria in yeast fermentation. AMB Express, 2018, 8, 127.         | 1.4 | 9         |
| 21 | Pyrolysis Kinetics of the Arid Land Biomass Halophyte Salicornia Bigelovii and Phoenix Dactylifera Using Thermogravimetric Analysis. Energies, 2018, 11, 2283.                                    | 1.6 | 9         |
| 22 | Waste Biorefinery in Arid/Semiarid Regions. , 2018, , 605-621.                                                                                                                                    |     | 0         |
| 23 | Increasing Profits in Food Waste Biorefinery—A Techno-Economic Analysis. Energies, 2018, 11, 1551.                                                                                                | 1.6 | 82        |
| 24 | Exploring the selective lactic acid production from food waste in uncontrolled pH mixed culture fermentations using different reactor configurations. Bioresource Technology, 2017, 238, 416-424. | 4.8 | 46        |
| 25 | Factors affecting seawater-based pretreatment of lignocellulosic date palm residues. Bioresource Technology, 2017, 245, 540-548.                                                                  | 4.8 | 7         |
| 26 | Inoculum composition determines microbial community and function in an anaerobic sequential batch reactor. PLoS ONE, 2017, 12, e0171369.                                                          | 1.1 | 23        |
| 27 | A Novel Analysis Method for Paired-Sample Microbial Ecology Experiments. PLoS ONE, 2016, 11, e0154804.                                                                                            | 1.1 | 9         |
| 28 | Influence of pH Regulation Mode in Glucose Fermentation on Product Selection and Process Stability. Microorganisms, 2016, 4, 2.                                                                   | 1.6 | 36        |
| 29 | Waste biorefinery in arid/semi-arid regions. Bioresource Technology, 2016, 215, 21-28.                                                                                                            | 4.8 | 48        |
| 30 | Prospecting of renewable energy technologies for the Emirate of Abu Dhabi: a techno-economic analysis. Progress in Industrial Ecology, 2016, 10, 301.                                             | 0.1 | 5         |
| 31 | Biogas potential for electricity generation in the Emirate of Abu Dhabi. Biomass Conversion and Biorefinery, 2016, 6, 39-47.                                                                      | 2.9 | 19        |
| 32 | Recovery of carboxylic acids produced during dark fermentation of food waste by adsorption on Amberlite IRA-67 and activated carbon. Bioresource Technology, 2016, 217, 137-140.                  | 4.8 | 67        |
| 33 | Seawater as Alternative to Freshwater in Pretreatment of Date Palm Residues for Bioethanol Production in Coastal and/or Arid Areas. ChemSusChem, 2015, 8, 3823-3831.                              | 3.6 | 47        |
| 34 | Carbon Emissions from Livestock Manure in Arid Regions - Technical Study on the United Arab Emirates. Environment and Natural Resources Research, 2015, 5, .                                      | 0.1 | 2         |
| 35 | Dark fermentation biorefinery in the present and future (bio)chemical industry. Reviews in Environmental Science and Biotechnology, 2015, 14, 473-498.                                            | 3.9 | 125       |
| 36 | Converting the organic fraction of solid waste from the city of Abu Dhabi to valuable products via dark fermentation — Economic and energy assessment. Waste Management, 2015, 40, 82-91.         | 3.7 | 49        |

| #  | ARTICLE                                                                                                                        | IF  | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Gas controlled hydrogen fermentation. <i>Bioresource Technology</i> , 2012, 110, 503-509.                                      | 4.8 | 50        |
| 38 | Development of membrane inlet mass spectrometry for examination of fermentation processes. <i>Talanta</i> , 2010, 83, 482-492. | 2.9 | 30        |
| 39 | Thermodynamic Analysis of Energy Transfer in Acidogenic Cultures. <i>Engineering in Life Sciences</i> , 2008, 8, 487-498.      | 2.0 | 12        |
| 40 | Avicennia marina biomass characterization towards bioproducts. <i>Emirates Journal of Food and Agriculture</i> , 0, , 710.     | 1.0 | 8         |