

Adenise L Woiciechowski

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

2,402
citations

236612

25
h-index

214527

47
g-index

68
all docs

68
docs citations

68
times ranked

2776
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Recent developments and innovations in solid state fermentation. <i>Biotechnology Research and Innovation</i> , 2017, 1, 52-71. | 0.3 | 311 |
| 2 | Lignocellulosic biomass: Acid and alkaline pretreatments and their effects on biomass recalcitrance – Conventional processing and recent advances. <i>Bioresource Technology</i> , 2020, 304, 122848. | 4.8 | 220 |
| 3 | Lignin as a potential source of high-added value compounds: A review. <i>Journal of Cleaner Production</i> , 2020, 263, 121499. | 4.6 | 159 |
| 4 | Current advances in on-site cellulase production and application on lignocellulosic biomass conversion to biofuels: A review. <i>Biomass and Bioenergy</i> , 2020, 132, 105419. | 2.9 | 136 |
| 5 | Pretreatment strategies for delignification of sugarcane bagasse: a review. <i>Brazilian Archives of Biology and Technology</i> , 2013, 56, 679-689. | 0.5 | 115 |
| 6 | Conducting starter culture-controlled fermentations of coffee beans during on-farm wet processing: Growth, metabolic analyses and sensorial effects. <i>Food Research International</i> , 2015, 75, 348-356. | 2.9 | 108 |
| 7 | Lignin preparation from oil palm empty fruit bunches by sequential acid/alkaline treatment – A biorefinery approach. <i>Bioresource Technology</i> , 2015, 194, 172-178. | 4.8 | 82 |
| 8 | Steam explosion pretreatment of oil palm empty fruit bunches (EFB) using autocatalytic hydrolysis: A biorefinery approach. <i>Bioresource Technology</i> , 2016, 199, 173-180. | 4.8 | 76 |
| 9 | Second Generation Ethanol Production from Brewers™ Spent Grain. <i>Energies</i> , 2015, 8, 2575-2586. | 1.6 | 69 |
| 10 | Potential of lactic acid bacteria to improve the fermentation and quality of coffee during on-farm processing. <i>International Journal of Food Science and Technology</i> , 2016, 51, 1689-1695. | 1.3 | 66 |
| 11 | Acid and enzymatic hydrolysis to recover reducing sugars from cassava bagasse: an economic study. <i>Brazilian Archives of Biology and Technology</i> , 2002, 45, 393-400. | 0.5 | 66 |
| 12 | Biorefinery integration of microalgae production into cassava processing industry: Potential and perspectives. <i>Bioresource Technology</i> , 2018, 247, 1165-1172. | 4.8 | 59 |
| 13 | Experimental design to enhance the production of l-(+)-lactic acid from steam-exploded wood hydrolysate using <i>Rhizopus oryzae</i> in a mixed-acid fermentation. <i>Process Biochemistry</i> , 1999, 34, 949-955. | 1.8 | 52 |
| 14 | Biohydrogen production in cassava processing wastewater using microbial consortia: Process optimization and kinetic analysis of the microbial community. <i>Bioresource Technology</i> , 2020, 309, 123331. | 4.8 | 51 |
| 15 | Bioeconomy and biofuels: the case of sugarcane ethanol in Brazil. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 899-912. | 1.9 | 47 |
| 16 | Biological activities and thermal behavior of lignin from oil palm empty fruit bunches as potential source of chemicals of added value. <i>Industrial Crops and Products</i> , 2016, 94, 630-637. | 2.5 | 45 |
| 17 | Energetic and economic analysis of ethanol, xylitol and lignin production using oil palm empty fruit bunches from a Brazilian factory. <i>Journal of Cleaner Production</i> , 2018, 195, 44-55. | 4.6 | 45 |
| 18 | Ethanol production from soybean molasses by <i>Zymomonas mobilis</i> . <i>Biomass and Bioenergy</i> , 2012, 44, 80-86. | 2.9 | 41 |

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|----|--|-----|-----------|
| 19 | Current analysis and future perspective of reduction in worldwide greenhouse gases emissions by using first and second generation bioethanol in the transportation sector. <i>Bioresource Technology Reports</i> , 2019, 7, 100234. | 1.5 | 40 |
| 20 | Effect of sequential acid-alkaline treatment on physical and chemical characteristics of lignin and cellulose from pine (<i>Pinus spp.</i>) residual sawdust. <i>Bioresource Technology</i> , 2020, 316, 123884. | 4.8 | 40 |
| 21 | Solid-state fermentation technology and innovation for the production of agricultural and animal feed bioproducts. <i>Systems Microbiology and Biomanufacturing</i> , 2021, 1, 142-165. | 1.5 | 38 |
| 22 | Agro-industrial wastewater in a circular economy: Characteristics, impacts and applications for bioenergy and biochemicals. <i>Bioresource Technology</i> , 2021, 341, 125795. | 4.8 | 37 |
| 23 | Citric acid production by solid-state fermentation on a semi-pilot scale using different percentages of treated cassava bagasse. <i>Brazilian Journal of Chemical Engineering</i> , 2005, 22, 547-555. | 0.7 | 32 |
| 24 | Pulp improvement of oil palm empty fruit bunches associated to solid-state biopulping and biobleaching with xylanase and lignin peroxidase cocktail produced by <i>Aspergillus sp.</i> LPB-5. <i>Bioresource Technology</i> , 2019, 285, 121361. | 4.8 | 32 |
| 25 | Lignocellulosic Bioethanol. , 2011, , 101-122. | | 30 |
| 26 | Current developments and challenges of green technologies for the valorization of liquid, solid, and gaseous wastes from sugarcane ethanol production. <i>Journal of Hazardous Materials</i> , 2021, 404, 124059. | 6.5 | 30 |
| 27 | Citric acid assisted hydrothermal pretreatment for the extraction of pectin and xylooligosaccharides production from cocoa pod husks. <i>Bioresource Technology</i> , 2022, 343, 126074. | 4.8 | 27 |
| 28 | Xanthan Gum Production From Cassava Bagasse Hydrolysate With <i>Xanthomonas campestris</i> Using Alternative Sources of Nitrogen. <i>Applied Biochemistry and Biotechnology</i> , 2004, 118, 305-312. | 1.4 | 23 |
| 29 | Microalgal biorefineries: Integrated use of liquid and gaseous effluents from bioethanol industry for efficient biomass production. <i>Bioresource Technology</i> , 2019, 292, 121955. | 4.8 | 22 |
| 30 | Enhancement of biohydrogen production in industrial wastewaters with vinasse pond consortium using lignin-mediated iron nanoparticles. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 27431-27443. | 3.8 | 22 |
| 31 | Phytase produced on citric byproducts: purification and characterization. <i>World Journal of Microbiology and Biotechnology</i> , 2011, 27, 267-274. | 1.7 | 20 |
| 32 | Propriedades Físicas, Químicas e de Barreira em Filme Formados por Blenda de Celulose Bacteriana e Fécula de Batata. <i>Polimeros</i> , 2013, 23, 538-546. | 0.2 | 18 |
| 33 | Lignin from oil palm empty fruit bunches: Characterization, biological activities and application in green synthesis of silver nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2021, 167, 1499-1507. | 3.6 | 18 |
| 34 | Thermoanalytical and starch content evaluation of cassava bagasse as agro-industrial residue. <i>Brazilian Archives of Biology and Technology</i> , 2009, 52, 143-150. | 0.5 | 17 |
| 35 | Selection of the Strain <i>Lactobacillus acidophilus</i> ATCC 43121 and Its Application to Brewers Spent Grain Conversion into Lactic Acid. <i>BioMed Research International</i> , 2015, 2015, 1-9. | 0.9 | 17 |
| 36 | Microbial Pigments. , 2014, , 73-97. | | 17 |

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|----|---|-----|-----------|
| 37 | Biotechnological process for producing black bean slurry without stachyose. Food Research International, 2009, 42, 425-429. | 2.9 | 12 |
| 38 | Evaluation of poultry litter traditional composting process. Brazilian Archives of Biology and Technology, 2011, 54, 1053-1058. | 0.5 | 11 |
| 39 | Utilization of the biorreactor of imersion by bubbles at the micropropagation of Ananas comosus L. Merril. Brazilian Archives of Biology and Technology, 2009, 52, 37-43. | 0.5 | 10 |
| 40 | The Pretreatment Step in Lignocellulosic Biomass Conversion: Current Systems and New Biological Systems. , 2013, , 39-64. | | 10 |
| 41 | Minerals consumption by Acetobacter xylinum on cultivation medium on coconut water. Brazilian Journal of Microbiology, 2013, 44, 197-206. | 0.8 | 10 |
| 42 | Feedstocks for Biofuels. Green Energy and Technology, 2016, , 15-39. | 0.4 | 10 |
| 43 | Flavor Compounds Produced by Fungi, Yeasts, and Bacteria. , 0, , 179-191. | | 9 |
| 44 | Monitoring fermentation parameters during phytase production in column-type bioreactor using a new data acquisition system. Bioprocess and Biosystems Engineering, 2010, 33, 1033-1041. | 1.7 | 9 |
| 45 | INCREASE IN PHYTASE SYNTHESIS DURING CITRIC PULP FERMENTATION. Chemical Engineering Communications, 2010, 198, 286-297. | 1.5 | 9 |
| 46 | Production of Cellulases by Phanerochaete sp. Using Empty Fruit Bunches of Palm (EFB) as Substrate: Optimization and Scale-Up of Process in Bubble Column and Stirred Tank Bioreactors (STR). Waste and Biomass Valorization, 2016, 7, 1327-1337. | 1.8 | 9 |
| 47 | Sequential chemical and enzymatic pretreatment of palm empty fruit bunches for <i>Candida pelliculosa</i> bioethanol production. Biotechnology and Applied Biochemistry, 2020, 67, 723-731. | 1.4 | 9 |
| 48 | The potential of sweet potato biorefinery and development of alternative uses. SN Applied Sciences, 2021, 3, 347. | 1.5 | 7 |
| 49 | A simplified model for A. Niger FS3 growth during phytase formation in solid State fermentation. Brazilian Archives of Biology and Technology, 2009, 52, 151-158. | 0.5 | 6 |
| 50 | Use of soybean vinasses as a germinant medium for a Geobacillus stearothermophilus ATCC 7953 sterilization biological indicator. Applied Microbiology and Biotechnology, 2011, 90, 713-719. | 1.7 | 5 |
| 51 | Bioethanol from Soybean Molasses. Green Energy and Technology, 2016, , 241-254. | 0.4 | 5 |
| 52 | Roles and impacts of bioethanol and biodiesel on climate change mitigation. , 2022, , 373-400. | | 5 |
| 53 | Hydrolysis of Coffee Husk: Process Optimization to Recover Its Fermentable Sugar. , 2000, , 409-417. | | 4 |
| 54 | Biofiltration of increasing concentration gasoline vapors with different ethanol proportions. Journal of Chemical Technology and Biotechnology, 2012, 87, 791-796. | 1.6 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Valorization of lignin from pine (<i>Pinus</i> spp.) residual sawdust: antioxidant activity and application in the green synthesis of silver nanoparticles for antibacterial purpose. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 10051-10063. | 2.9 | 4 |
| 56 | Utiliza o da cama de frango em meio de cultivo de <i>Bacillus thuringiensis</i> var. <i>israelensis</i> Berliner para o controle de <i>Aedes aegypti</i> Linnaeus. <i>Journal of Biotechnology and Biodiversity</i> , 2011, 2, 1-6. | 0.1 | 4 |
| 57 | Analysis and glycosyl composition of the exopolysaccharide isolated from submerged fermentation of <i>Ganoderma lucidum</i> CG144. <i>Acta Societatis Botanicorum Poloniae</i> , 2014, 83, 239-241. | 0.8 | 4 |
| 58 | Biofiltration of gasoline and ethanol-amended gasoline vapors. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2012, 47, 1008-1016. | 0.9 | 3 |
| 59 | Valorization of solid and liquid wastes from palm oil industry. , 2021, , 235-265. | | 3 |
| 60 | Some Applications of Artificial Intelligence on Biotechnology. <i>Journal of Biotechnology and Biodiversity</i> , 2014, 5, 1-11. | 0.1 | 3 |
| 61 | Life-Cycle Assessment of Biofuels. <i>Green Energy and Technology</i> , 2016, , 485-500. | 0.4 | 2 |
| 62 | Bioethanol and succinic acid co-production from imidazole-pretreated soybean hulls. <i>Industrial Crops and Products</i> , 2021, 172, 114060. | 2.5 | 2 |
| 63 | Relation between Respirometric Data and Amylolytic Enzyme Production by SSF in Column-Type Bioreactor. <i>International Journal of Chemical Reactor Engineering</i> , 2007, 5, . | 0.6 | 1 |
| 64 | Flavor Production by Solid and Liquid Fermentation. , 0, , 193-203. | | 1 |
| 65 | Pretreatment Strategies to Enhance Value Addition of Agro-industrial Wastes. , 2014, , 29-49. | | 1 |
| 66 | Pentose-rich hydrolysate from oil palm empty fruit bunches for β -glucan production using <i>Pichia jadinii</i> and <i>Cyberlindnera jadinii</i> . <i>Bioresource Technology</i> , 2021, 320, 124212. | 4.8 | 1 |
| 67 | Biofiltration of volatile organic compounds of Brazilian gasoline. <i>Brazilian Archives of Biology and Technology</i> , 2014, 57, 119-125. | 0.5 | 1 |