

# Bianca Cruz Neves

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29  
papers

1,514  
citations

17  
h-index

30  
g-index

30  
ext. papers

1,703  
ext. citations

4.8  
avg, IF

4.09  
L-index

| #  | Paper   | IF  | Citations |
|----|---|-----|-----------|
| 29 | A novel EspA-associated surface organelle of enteropathogenic Escherichia coli involved in protein translocation into epithelial cells. <i>EMBO Journal</i> , <b>1998</b> , 17, 2166-76   | 13  | 464       |
| 28 | Impaired resistance and enhanced pathology during infection with a noninvasive, attaching-effacing enteric bacterial pathogen, Citrobacter rodentium, in mice lacking IL-12 or IFN-gamma. <i>Journal of Immunology</i> , <b>2002</b> , 168, 1804-12 | 5.3 | 135       |
| 27 | Gene regulation of rhamnolipid production in Pseudomonas aeruginosa--a review. <i>Bioresource Technology</i> , <b>2011</b> , 102, 6377-84   | 11  | 129       |
| 26 | Rhamnolipids in perspective: gene regulatory pathways, metabolic engineering, production and technological forecasting. <i>New Biotechnology</i> , <b>2016</b> , 33, 123-35   | 6.4 | 90        |
| 25 | Characterization of the locus of enterocyte effacement (LEE) in different enteropathogenic Escherichia coli (EPEC) and Shiga-toxin producing Escherichia coli (STEC) serotypes. <i>FEMS Microbiology Letters</i> , <b>1998</b> , 164, 133-9         | 2.9 | 80        |
| 24 | The type III protein translocation system of enteropathogenic Escherichia coli involves EspA-EspB protein interactions. <i>Molecular Microbiology</i> , <b>2000</b> , 35, 1483-92   | 4.1 | 71        |
| 23 | The Gut and Parkinson's Disease-A Bidirectional Pathway. <i>Frontiers in Neurology</i> , <b>2019</b> , 10, 574  | 4.1 | 69        |
| 22 | Characterization of rhamnolipids produced by wild-type and engineered Burkholderia kururiensis. <i>Applied Microbiology and Biotechnology</i> , <b>2013</b> , 97, 1909-21   | 5.7 | 69        |
| 21 | Silencing of P-glycoprotein increases mortality in temephos-treated Aedes aegypti larvae. <i>Insect Molecular Biology</i> , <b>2013</b> , 22, 648-58  | 3.4 | 56        |
| 20 | Endophytic colonization of rice (Oryza sativa L.) by the diazotrophic bacterium Burkholderia kururiensis and its ability to enhance plant growth. <i>Anais Da Academia Brasileira De Ciencias</i> , <b>2008</b> , 80, 477-93                        | 1.4 | 49        |
| 19 | CesD2 of enteropathogenic Escherichia coli is a second chaperone for the type III secretion translocator protein EspD. <i>Infection and Immunity</i> , <b>2003</b> , 71, 2130-41  | 3.7 | 44        |
| 18 | Enhanced xylose fermentation and ethanol production by engineered Saccharomyces cerevisiae strain. <i>AMB Express</i> , <b>2015</b> , 5, 16   | 4.1 | 39        |
| 17 | Functional expression of Burkholderia cenocepacia xylose isomerase in yeast increases ethanol production from a glucose-xylose blend. <i>Bioresource Technology</i> , <b>2013</b> , 128, 792-6  | 11  | 29        |
| 16 | A new class of mechanism-based inhibitors for Trypanosoma cruzi trans-sialidase and their influence on parasite virulence. <i>Glycobiology</i> , <b>2010</b> , 20, 1034-45  | 5.8 | 27        |
| 15 | Polymorphisms within EspA filaments of enteropathogenic and enterohemorrhagic Escherichia coli. <i>Infection and Immunity</i> , <b>2003</b> , 71, 2262-5  | 3.7 | 27        |
| 14 | Enhanced rhamnolipid production by Pseudomonas aeruginosa overexpressing estA in a simple medium. <i>PLoS ONE</i> , <b>2017</b> , 12, e0183857  | 3.7 | 21        |
| 13 | Optimization of biosurfactant production using waste from biodiesel industry in a new membrane assisted bioreactor. <i>Process Biochemistry</i> , <b>2013</b> , 48, 1271-1278   | 4.8 | 18        |

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|----|---|-----|----|
| 12 | Molecular and ultrastructural characterisation of EspA from different enteropathogenic <i>Escherichia coli</i> serotypes. <i>FEMS Microbiology Letters</i> , <b>1998</b> , 169, 73-80   | 2.9 | 17 |
| 11 | Detection of LEE 4 region-encoded genes from different enteropathogenic and enterohemorrhagic <i>Escherichia coli</i> serotypes. <i>Current Microbiology</i> , <b>2004</b> , 48, 412-8  | 2.4 | 15 |
| 10 | Kinetic resolution of (1R)-1,2-O-isopropylidene-3,6-di-O-benzyl-myo-inositol by lipases: An experimental and theoretical study on the reaction of a key precursor of chiral inositols. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2011</b> , 70, 32-40 |     | 13 |
| 9  | Comparative genomics of <i>Paraburkholderia kururiensis</i> and its potential in bioremediation, biofertilization, and biocontrol of plant pathogens. <i>MicrobiologyOpen</i> , <b>2019</b> , 8, e00801   | 3.4 | 11 |
| 8  | Short-chain Fatty Acids in Infected Root Canals of Teeth with Apical Periodontitis before and after Treatment. <i>Journal of Endodontics</i> , <b>2015</b> , 41, 831-5  | 4.7 | 10 |
| 7  | Environmentally friendly rhamnolipid production for petroleum remediation. <i>Chemosphere</i> , <b>2020</b> , 252, 126349   | 8.4 | 9  |
| 6  | Immunogenicity of <i>Vibrio cholerae</i> O1 fimbriae in animal and human cholera. <i>Microbiology and Immunology</i> , <b>1993</b> , 37, 679-88   | 2.7 | 8  |
| 5  | Understanding xylose isomerase from <i>Burkholderia cenocepacia</i> : insights into structure and functionality for ethanol production. <i>AMB Express</i> , <b>2019</b> , 9, 73  | 4.1 | 4  |
| 4  | Refolding, purification, and preliminary structural characterization of the DNA-binding domain of the quorum sensing receptor RhlR from <i>Pseudomonas aeruginosa</i> . <i>Protein Expression and Purification</i> , <b>2016</b> , 121, 31-40                       | 2   | 3  |
| 3  | Type III apparatus of <i>Pseudomonas aeruginosa</i> as a tool to diagnose pulmonary infection in cystic fibrosis patients. <i>Apmis</i> , <b>2012</b> , 120, 622-7  | 3.4 | 3  |
| 2  | Molecular diversity and abundance of the microbial community associated to an offshore oil field on the southeast of Brazil. <i>International Biodeterioration and Biodegradation</i> , <b>2021</b> , 160, 105215   | 4.8 | 3  |
| 1  | Genome-wide analysis reveals a rhamnolipid-dependent modulation of flagellar genes in <i>Pseudomonas aeruginosa</i> PAO1.. <i>Current Genetics</i> , <b>2022</b> , 68, 289  | 2.9 |    |