

# Sara C SilvÃ©rio

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8876271/publications.pdf>

Version: 2024-02-01

39  
papers

1,094  
citations

331538

21  
h-index

395590

33  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1261  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Penicillium brevicompactum as a novel source of natural pigments with potential for food applications. Food and Bioproducts Processing, 2022, 132, 188-199.                            | 1.8 | 9         |
| 2  | Metagenomic Approaches as a Tool to Unravel Promising Biocatalysts from Natural Resources: Soil and Water. Catalysts, 2022, 12, 385.   | 1.6 | 9         |
| 3  | One-step production of a novel prebiotic mixture using Zymomonas mobilis ZM4. Biochemical Engineering Journal, 2022, 183, 108443.  | 1.8 | 1         |
| 4  | Hydrolysates containing xylooligosaccharides produced by different strategies: Structural characterization, antioxidant and prebiotic activities. Food Chemistry, 2022, 391, 133231.   | 4.2 | 7         |
| 5  | Tailoring fructooligosaccharides composition with engineered Zymomonas mobilis ZM4. Applied Microbiology and Biotechnology, 2022, 106, 4617-4626.                                      | 1.7 | 5         |
| 6  | Engineering Saccharomyces cerevisiae for the one-step production of a functional sweetening mixture towards food applications. Food and Bioproducts Processing, 2022, , .              | 1.8 | 1         |
| 7  | Novel and emerging prebiotics: Advances and opportunities. Advances in Food and Nutrition Research, 2021, 95, 41-95.   | 1.5 | 21        |
| 8  | Sustainable Lipase Production by Diutina rugosa NRRL Y-95 Through a Combined Use of Agro-Industrial Residues as Feedstock. Applied Biochemistry and Biotechnology, 2021, 193, 589-605. | 1.4 | 14        |
| 9  | Designing a functional rice muffin formulated with prebiotic oligosaccharides and sugar reduction. Food Bioscience, 2021, 40, 100858.  | 2.0 | 6         |
| 10 | Epilactose Biosynthesis Using Recombinant Cellobiose 2-Epimerase Produced by <i>Saccharomyces cerevisiae</i>. ACS Food Science & Technology, 2021, 1, 1578-1584.                       | 1.3 | 4         |
| 11 | Improved method for the extraction of high-quality DNA from lignocellulosic compost samples for metagenomic studies. Applied Microbiology and Biotechnology, 2021, 105, 8881-8893.     | 1.7 | 9         |
| 12 | Zymomonas mobilis as an emerging biotechnological chassis for the production of industrially relevant compounds. Bioresources and Bioprocessing, 2021, 8, .                            | 2.0 | 10        |
| 13 | In vitro assessment of prebiotic properties of xylooligosaccharides produced by Bacillus subtilis 3610. Carbohydrate Polymers, 2020, 229, 115460.                                      | 5.1 | 26        |
| 14 | In vitro fermentation of raffinose to unravel its potential as prebiotic ingredient. LWT - Food Science and Technology, 2020, 126, 109322.   | 2.5 | 28        |
| 15 | Biotech Green Approaches to Unravel the Potential of Residues into Valuable Products. Nanotechnology in the Life Sciences, 2020, , 97-150.   | 0.4 | 3         |
| 16 | Biocatalysis in Ionic Liquids: Enzymatic Synthesis of Sugar Fatty Acid Esters. Nanotechnology in the Life Sciences, 2020, , 51-79.   | 0.4 | 0         |
| 17 | Integrated strategy for purification of esterase from Aureobasidium pullulans. Separation and Purification Technology, 2019, 209, 409-418.   | 3.9 | 9         |
| 18 | One-step process for producing prebiotic arabino-xylooligosaccharides from brewer's spent grain employing Trichoderma species. Food Chemistry, 2019, 270, 86-94.                       | 4.2 | 66        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Downscale fermentation for xylooligosaccharides production by recombinant <i>Bacillus subtilis</i> 3610. <i>Carbohydrate Polymers</i> , 2019, 205, 176-183.   | 5.1 | 22        |
| 20 | New $\beta$ -galactosidase producers with potential for prebiotic synthesis. <i>Bioresource Technology</i> , 2018, 250, 131-139.  | 4.8 | 31        |
| 21 | Single-step production of arabino-xylooligosaccharides by recombinant <i>Bacillus subtilis</i> 3610 cultivated in brewers' spent grain. <i>Carbohydrate Polymers</i> , 2018, 199, 546-554.  | 5.1 | 31        |
| 22 | $\beta$ -galactosidase from <i>Aspergillus laticoffeatus</i> : A promising biocatalyst for the synthesis of novel prebiotics. <i>International Journal of Food Microbiology</i> , 2017, 257, 67-74.   | 2.1 | 38        |
| 23 | Biocatalytic Approaches Using Lactulose: End Product Compared with Substrate. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2016, 15, 878-896.   | 5.9 | 19        |
| 24 | Polyethylene glycol 8000+ citrate salts aqueous two-phase systems: Relative hydrophobicity of the equilibrium phases. <i>Fluid Phase Equilibria</i> , 2016, 407, 298-303.   | 1.4 | 11        |
| 25 | Perspectives on the biotechnological production and potential applications of lactosucrose: A review. <i>Journal of Functional Foods</i> , 2015, 19, 74-90.   | 1.6 | 44        |
| 26 | Cation effect on the (PEG 8000 + sodium sulfate) and (PEG 8000 + magnesium sulfate) aqueous two-phase system: Relative hydrophobicity of the equilibrium phases. <i>Journal of Chemical Thermodynamics</i> , 2015, 91, 321-326.                 | 1.0 | 12        |
| 27 | Laccase production by free and immobilized mycelia of <i>Peniophora cinerea</i> and <i>Trametes versicolor</i> : a comparative study. <i>Bioprocess and Biosystems Engineering</i> , 2013, 36, 365-373.   | 1.7 | 25        |
| 28 | Recovery of <i>Peniophora cinerea</i> laccase using aqueous two-phase systems composed by ethylene oxide/propylene oxide copolymer and potassium phosphate salts. <i>Journal of Chromatography A</i> , 2013, 1321, 14-20.                       | 1.8 | 26        |
| 29 | Laccase recovery with aqueous two-phase systems: Enzyme partitioning and stability. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 87, 37-43.   | 1.8 | 35        |
| 30 | The Effect of Salts on the Liquid-Liquid Phase Equilibria of PEG600 + Salt Aqueous Two-Phase Systems. <i>Journal of Chemical &amp; Engineering Data</i> , 2013, 58, 3528-3535.  | 1.0 | 48        |
| 31 | Effect of Aqueous Two-Phase System Constituents in Different Poly(ethylene glycol)-Salt Phase Diagrams. <i>Journal of Chemical &amp; Engineering Data</i> , 2012, 57, 1203-1208.  | 1.0 | 53        |
| 32 | (Liquid+liquid) equilibria of polymer-salt aqueous two-phase systems for laccase partitioning: UCON 50-HB-5100 with potassium citrate and (sodium or potassium) formate at 23°C. <i>Journal of Chemical Thermodynamics</i> , 2012, 55, 166-171. | 1.0 | 32        |
| 33 | Green coconut fiber: a novel carrier for the immobilization of commercial laccase by covalent attachment for textile dyes decolorization. <i>World Journal of Microbiology and Biotechnology</i> , 2012, 28, 2827-2838.                         | 1.7 | 68        |
| 34 | Interference of some aqueous two-phase system phase-forming components in protein determination by the Bradford method. <i>Analytical Biochemistry</i> , 2012, 421, 719-724.  | 1.1 | 37        |
| 35 | Solute partitioning in polymer-salt ATPS: The Collander equation. <i>Fluid Phase Equilibria</i> , 2010, 296, 173-177.   | 1.4 | 24        |
| 36 | Gibbs free energy of transfer of a methylene group on {UCON+(sodium or potassium) phosphate salts} aqueous two-phase systems: Hydrophobicity effects. <i>Journal of Chemical Thermodynamics</i> , 2010, 42, 1063-1069.                          | 1.0 | 21        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Liquid-Liquid Equilibria of UCON + (Sodium or Potassium) Phosphate Salt Aqueous Two-Phase Systems at 23 °C. <i>Journal of Chemical &amp; Engineering Data</i> , 2010, 55, 1285-1288.    | 1.0 | 36        |
| 38 | $\gamma$ -(CH <sub>2</sub> ) <sub>2</sub> in PEG-Salt and Ucon-Salt Aqueous Two-Phase Systems. <i>Journal of Chemical &amp; Engineering Data</i> , 2008, 53, 1622-1625.                 | 1.0 | 32        |
| 39 | Physicochemical Characterization of the PEG8000-Na <sub>2</sub> SO <sub>4</sub> Aqueous Two-Phase System. <i>Industrial &amp; Engineering Chemistry Research</i> , 2007, 46, 8199-8204. | 1.8 | 45        |