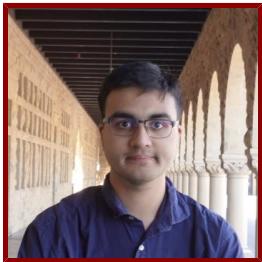


# Stanford

---



## Alexandre Avaro

Ph.D. Student in Mechanical Engineering, admitted Spring 2022

### Publications

---

#### PUBLICATIONS

- **Stream lamination and rapid mixing in a microfluidic jet for X-ray spectroscopy studies** *FLOW*  
Huyke, D. A., Avaro, A. S., Kroll, T., Santiago, J. G.  
2023; 3
- **A critical review of microfluidic systems for CRISPR assays.** *Lab on a chip*  
Avaro, A. S., Santiago, J. G.  
2023
- **Uncertainty Quantification of Michaelis-Menten Kinetic Rates and Its Application to the Analysis of CRISPR-Based Diagnostics.** *Angewandte Chemie (International ed. in English)*  
Avaro, A. S., Santiago, J. G.  
2022
- **Web-Based Open-Source Tool for Isotachophoresis.** *Analytical chemistry*  
Avaro, A. S., Sun, Y., Jiang, K., Bahga, S. S., Santiago, J. G.  
2021
- **Detection and Discrimination of Single Nucleotide Polymorphisms by Quantification of CRISPR-Cas Catalytic Efficiency.** *Analytical chemistry*  
Blanluet, C., Huyke, D. A., Ramachandran, A., Avaro, A. S., Santiago, J. G.  
2022