Stanford



# Josiah Yarbrough

MD Student with Scholarly Concentration in Clinical Research / Cancer Biology, expected graduation Winter 2028

## Bio

### EDUCATION AND CERTIFICATIONS

- Doctor of Philosophy, Stanford University , Chemical Engineering (2023)
- Master of Science, Stanford University , Chemical Engineering (2021)
- Bachelor of Science, Rice University , Chemical Engineering (2018)

## Publications

### PUBLICATIONS

- **Concepts to Incentivize Pediatric Medical Device Development** *JOURNAL OF MEDICAL DEVICES-TRANSACTIONS OF THE ASME*
  Perl, J., Yarbrough, J., Molten, A., Makower, J.
  2026
- **We, Too, Have Children: Inclusive Pediatric Care for Black LGBTQIA+ Families.** *Hospital pediatrics*
  Faulks, M., King, Z., Ivester, S., Bugwadia, A. K., Elaiho, D., Yarbrough, J., Casarez, A., Ricketts, M., Safaeinili, N., Garcia, R., Hollis, T., Zulman, D. M., Israni, et al
  2026
- **Determination of Highly Resource-Intensive Pediatric Patients: Opportunity for Innovation.** *The Journal of pediatrics*
  Yarbrough, J., Perl, J., Sheth, K.
  2025: 114899
- **Role of Molecular Orientation: Comparison of Nitrogenous Aromatic Small Molecule Inhibitors for Area-Selective Atomic Layer Deposition** *CHEMISTRY OF MATERIALS*
  Shearer, A., Pieck, F., Yarbrough, J., Werbrouck, A., Tonner-Zech, R., Bent, S. F.
  2024
- **Area-Selective Deposition by Cyclic Adsorption and Removal of 1-Nitropropane.** *The journal of physical chemistry. A*
  Yarbrough, J., Bent, S. F.
  2023
- **Area-Selective Atomic Layer Deposition of Al2O3 with a Methanesulfonic Acid Inhibitor** *CHEMISTRY OF MATERIALS*
  Yarbrough, J., Pieck, F., Shearer, A. B., Maue, P., Tonner-Zech, R., Bent, S. F.
  2023
- **MYC oncogene elicits tumorigenesis associated with embryonic, ribosomal biogenesis, and tissue-lineage dedifferentiation gene expression changes.** *Oncogene*
  Sullivan, D. K., Deutzmann, A., Yarbrough, J., Krishnan, M. S., Gouw, A. M., Bellovin, D. I., Adam, S. J., Liefwalker, D. F., Dhanasekaran, R., Felsher, D. W.
  2022

- **Tuning Molecular Inhibitors and Aluminum Precursors for the AreaSelective Atomic Layer Deposition of Al2O3 br** *CHEMISTRY OF MATERIALS*
  Yarbrough, J., Pieck, F., Grigjanis, D., Oh, I., Maue, P., Tonner-Zech, R., Bent, S. F.
  2022; 34 (10): 4646-4659
- **Next generation nanopatterning using small molecule inhibitors for area-selective atomic layer deposition** *JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A*
  Yarbrough, J., Shearer, A. B., Bent, S. F.
  2021; 39 (2)
- **Evaluation of solvents for in-situ asphaltene deposition remediation** *FUEL*
  Kuang, J., Yarbrough, J., Enayat, S., Edward, N., Wang, J., Vargas, F. M.
  2019; 241: 1076-1084
- **Assessment of the performance of asphaltene inhibitors using a multi-section packed bed column** *FUEL*
  Kuang, J., Melendez-Alvarez, A. A., Yarbrough, J., Garcia-Bermudes, M., Tavakkoli, M., Abdallah, D. S., Punnapala, S., Vargas, F. M.
  2019; 241: 247-254
- **Investigation of Asphaltene Deposition at High Temperature and under Dynamic Conditions** *ENERGY & FUELS*
  Kuang, J., Tavakkoli, M., Yarbrough, J., Wang, J., Jain, S., Ashtekar, S., Abdallah, D. S., Punnapala, S., Vargas, F. M.
  2018; 32 (12): 12405-12415
- **A Shipping Container-Based Sterile Processing Unit for Low Resources Settings** *PLOS ONE*
  Boubour, J., Jenson, K., Richter, H., Yarbrough, J., Oden, Z., Schuler, D. A.
  2016; 11 (3): e0149624