

Stanford



Kelsey T. Foster

Ph.D. Student in Earth System Science, admitted Autumn 2019

Bio

EDUCATION AND CERTIFICATIONS

- B.S., UC Berkeley , Environmental Sciences (2017)

LINKS

- Google Scholar Profile: <https://scholar.google.com/citations?user=CkCK7pcAAAAJ&hl=en&inst=5746887945952177237&oi=ao>
- LinkedIn Profile: <https://www.linkedin.com/in/kelsfoster/>

Research & Scholarship

LAB AFFILIATIONS

- Anna Michalak, Michalak Lab (10/1/2019)

Professional

WORK EXPERIENCE

- Research Assistant - NASA Jet Propulsion Laboratory (6/2017 - 7/2019)

Publications

PUBLICATIONS

- **Attribution of methane point source emissions using airborne imaging spectroscopy and the Vista-California methane infrastructure dataset** *ENVIRONMENTAL RESEARCH LETTERS*
Rafiq, T., Duren, R. M., Thorpe, A. K., Foster, K., Patarsuk, R., Miller, C. E., Hopkins, F. M.
2020; 15 (12)
- **Assessment of Regional Methane Emission Inventories through Airborne Quantification in the San Francisco Bay Area** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*
Guha, A., Newman, S., Fairley, D., Dinh, T. M., Duca, L., Conley, S. C., Smith, M. L., Thorpe, A. K., Duren, R. M., Cusworth, D. H., Foster, K. T., Fischer, M. L., Jeong, et al
2020; 54 (15): 9254–64
- **Using remote sensing to detect, validate, and quantify methane emissions from California solid waste operations** *ENVIRONMENTAL RESEARCH LETTERS*
Cusworth, D. H., Duren, R. M., Thorpe, A. K., Tseng, E., Thompson, D., Guha, A., Newman, S., Foster, K. T., Miller, C. E.
2020; 15 (5)
- **Methane emissions from underground gas storage in California** *ENVIRONMENTAL RESEARCH LETTERS*
Thorpe, A. K., Duren, R. M., Conley, S., Prasad, K. R., Bue, B. D., Yadav, V., Foster, K. T., Rafiq, T., Hopkins, F. M., Smith, M. L., Fischer, M. L., Thompson, D. R., Frankenberg, et al

2020; 15 (4)

- **California's methane super-emitters** *NATURE*

Duren, R. M., Thorpe, A. K., Foster, K. T., Rafiq, T., Hopkins, F. M., Yadav, V., Bue, B. D., Thompson, D. R., Conley, S., Colombi, N. K., Frankenberg, C., McCubbin, I. B., Eastwood, et al

2019; 575 (7781): 180+