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Ph.D. Student in Mechanical Engineering, admitted Autumn 2021

Publications

PUBLICATIONS

- **Temperature responses from methane mitigation approaches vary widely due to non-methane impacts** *ENVIRONMENTAL RESEARCH LETTERS*
Abernethy, S., Buechler, R., Kessler, M., Jackson, R. B.
2024; 19 (8)
- **A semi-continuous process for co-production of CO₂-free hydrogen and carbon nanotubes via methane pyrolysis** *CELL REPORTS PHYSICAL SCIENCE*
Sun, E., Zhai, S., Kim, D., Gigantino, M., Haribal, V., Dewey, O. S., Williams, S. M., Wan, G., Nelson, A., Marin-Quiros, S., Martis, J., Zhou, C., Oh, et al
2023; 4 (4)
- **Assessing the potential benefits of methane oxidation technologies using a concentration-based framework** *ENVIRONMENTAL RESEARCH LETTERS*
Abernethy, S., Kessler, M. I., Jackson, R. B.
2023; 18 (094064)