



Ivan Higuera-Mendieta

Ph.D. Student in Earth System Science, admitted Autumn 2021

Publications

PUBLICATIONS

- **The air pollution benefits of low-severity fire.** *Science (New York, N.Y.)*
Higuera-Mendieta, I., Burke, M.
2026; 392 (6803): eaea2490
- **Valuing wildfire smoke-related mortality benefits from climate mitigation.** *Proceedings of the National Academy of Sciences of the United States of America*
Qiu, M., Callahan, C. W., Higuera-Mendieta, I., Rennels, L., Parthum, B., Diffenbaugh, N. S., Burke, M.
2026; 123 (8): e2533772123
- **Effect of Recent Prescribed Burning and Land Management on Wildfire Burn Severity and Smoke Emissions in the Western United States** *AGU ADVANCES*
Kelp, M., Burke, M., Qiu, M., Higuera-Mendieta, I., Liu, T., Diffenbaugh, N. S.
2025; 6 (3)