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Bio

STANFORD ADVISORS

- Hai Wang, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **N-containing pollutant formation in pyrrole counterflow diffusion flames** *COMBUSTION AND FLAME*
Chen, B., Faller, S., Maffei, L., Nobili, A., Pelucchi, M., Lu, X., Pitsch, H.
2025; 276
- **A data-driven method to optimize soot kinetics based on uncertainty quantification and the active subspace approach** *COMBUSTION AND FLAME*
Su, X., Nobili, A., Cai, F., Cuoci, A., Frassoldati, A., Zhou, H., Cleary, M. J., Ren, Z., Masri, A. R., Faravelli, T.
2025; 276
- **Kinetic modeling of carbonaceous particle morphology, polydispersity and nanostructure through the discrete sectional approach** *COMBUSTION AND FLAME*
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- **A kinetic study on the blending behavior of sustainable and conventional aviation fuels: Soot formation processes** *PROCEEDINGS OF THE COMBUSTION INSTITUTE*
Nobili, A., Veltri, M., D'Andria, M., Pelucchi, M., Faravelli, T., Mehl, M.
2024; 40 (1-4)
- **Tabulation-based sample-partitioning adaptive reduced chemistry and cell agglomeration** *PROCEEDINGS OF THE COMBUSTION INSTITUTE*
Cuoci, A., Nobili, A., Parente, A., Grenga, T., Pitsch, H.
2024; 40 (1-4)
- **Turquoise hydrogen and carbon materials production from thermal methane cracking: An experimental and kinetic modelling study with focus on carbon product morphology** *CARBON*
Busillo, E., Nobili, A., Serse, F., Bracciale, M. P., De Filippis, P., Pelucchi, M., Caprariis, B.
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