

Stanford

Kesha Tamakuwala

Ph.D. Student in Chemistry, admitted Autumn 2021

Research & Scholarship

LAB AFFILIATIONS

- Matthew Kanan, Kanan Lab (9/20/2021)

Publications

PUBLICATIONS

- **Scale-Up Analysis of Inductively Heated Metamaterial Reactors** *ACS SUSTAINABLE CHEMISTRY & ENGINEERING*
Wan, C., Cremers, C., Hofelmann, A. B., Ru, Z., Lin, C. H., Tamakuwala, K. N., Mantle, D. L., Mohapatra, P., Rivas-Davila, J., Kanan, M. W., Fan, J. A.
2026
- **Porous materials: The next frontier in energy technologies** *SCIENCE*
Farber, E. M., Seraphim, N. M., Tamakuwala, K., Stein, A., Rucker, M., Eisenberg, D.
2025; 390 (6772): eadn9391
- **Intermediate-Temperature Reverse Water-Gas Shift under Process-Relevant Conditions Catalyzed by Dispersed Alkali Carbonates.** *JACS Au*
Tamakuwala, K. N., Kennedy, R. P., Li, C. S., Mutz, B., Boller, P., Bare, S. R., Kanan, M. W.
2025; 5 (3): 1083-1089
- **Electrified thermochemical reaction systems with high-frequency metamaterial reactors** *JOULE*
Lin, C. H., Wan, C., Ru, Z., Cremers, C., Mohapatra, P., Mantle, D. L., Tamakuwala, K., Hofelmann, A. B., Kanan, M. W., Rivas-Davila, J., Fan, J. A.
2024; 8 (10)
- **Understanding hydrazine oxidation electrocatalysis on undoped carbon** *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*
Burshtein, T. Y., Tamakuwala, K., Sananis, M., Grinberg, I., Samala, N., Eisenberg, D.
2022