

Tzu-Ling Liu

Postdoctoral Scholar, Chemical Engineering

Bio

STANFORD ADVISORS

- Stacey Bent, Postdoctoral Research Mentor

Publications

PUBLICATIONS

- **Characterizing Self-Assembled Monolayer Breakdown in Area-Selective Atomic Layer Deposition.** *Langmuir : the ACS journal of surfaces and colloids*
Liu, T., Zeng, L., Nardi, K. L., Hausmann, D. M., Bent, S. F.
2021
- **Role of Precursor Choice on Area-Selective Atomic Layer Deposition** *CHEMISTRY OF MATERIALS*
Oh, I., Sandoval, T. E., Liu, T., Richey, N. E., Bent, S. F.
2021; 33 (11): 3926-3935
- **Area-Selective Molecular Layer Deposition of a Silicon Oxycarbide Low-k Dielectric** *CHEMISTRY OF MATERIALS*
Yu, X., Bobb-Semple, D., Oh, I., Liu, T., Closser, R. G., Trevillyan, W., Bent, S. F.
2021; 33 (3): 902-9
- **Area-Selective Atomic Layer Deposition on Chemically Similar Materials: Achieving Selectivity on Oxide/Oxide Patterns** *CHEMISTRY OF MATERIALS*
Liu, T., Bent, S. F.
2021; 33 (2): 513-23
- **Effect of Multilayer versus Monolayer Dodecanethiol on Selectivity and Pattern Integrity in Area-Selective Atomic Layer Deposition** *ACS APPLIED MATERIALS & INTERFACES*
Liu, T., Nardi, K. L., Draeger, N., Hausmann, D. M., Bent, S. F.
2020; 12 (37): 42226-35
- **Area-Selective Atomic Layer Deposition of Dielectric-on-Dielectric for Cu/Low-k Dielectric Patterns**
Liu, T., Bent, S. F.
edited by Gronheid, R., Sanders, D. P.
SPIE-INT SOC OPTICAL ENGINEERING.2019
- **Formation and Ripening of Self-Assembled Multilayers from the Vapor-Phase Deposition of Dodecanethiol on Copper Oxide** *CHEMISTRY OF MATERIALS*
Bergsman, D. S., Liu, T., Closser, R. G., Nardi, K. L., Draeger, N., Hausmann, D. M., Bent, S. F.
2018; 30 (16): 5694-5703