

Stanford

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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*
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- **Role of Precursor Choice on Area-Selective Atomic Layer Deposition** *CHEMISTRY OF MATERIALS*
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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.
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- **Area-Selective Atomic Layer Deposition on Chemically Similar Materials: Achieving Selectivity on Oxide/Oxide Patterns** *CHEMISTRY OF MATERIALS*
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- **Effect of Multilayer versus Monolayer Dodecanethiol on Selectivity and Pattern Integrity in Area-Selective Atomic Layer Deposition** *ACS APPLIED MATERIALS & INTERFACES*
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- **Area-Selective Atomic Layer Deposition of Dielectric-on-Dielectric for Cu/Low-k Dielectric Patterns**
Liu, T., Bent, S. F., Gronheid, R., Sanders, D. P.
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- **Formation and Ripening of Self-Assembled Multilayers from the Vapor-Phase Deposition of Dodecanethiol on Copper Oxide** *CHEMISTRY OF MATERIALS*
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