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## Bio

### STANFORD ADVISORS

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## Publications

### PUBLICATIONS

- **Atomic LayerDeposition of High-Density GeSe Filmsfor Stable Vertical Ovonic Threshold Switching and Selector-Only Memory** *CHEMISTRY OF MATERIALS*
  Kim, S., Jeon, J., Park, B., Choi, W., Jeon, G., Jeon, S., Park, J., Kim, W., Lim, J., Ahn, D., Yoo, C., Hwang, C.
  2026
- **Neuromorphic olfaction with ultralow-power gas sensors and ovonic threshold switch** *SCIENCE ADVANCES*
  Kang, M., Han, J., Lee, K., Jeong, J., Yoo, C., Jeon, J., Park, B., Choi, W., Ahn, J., Yoon, K., Hwang, C., Park, I.
  2025; 11 (39): eadv9222
- **Defect Formation and Electrical Transformation in SiO<sub>2</sub> Thin Films via Ti-Induced Interdiffusion** *ACTA MATERIALIA*
  Yoon, S., Jeon, J., Lee, J., Park, J., Lee, C., Yu, K., Bae, H., Kim, K., Heo, K., Hwang, C., Cho, D., Lee, T., Lee, et al
  2025; 296
- **Low-temperature atomic layer deposition of metastable MnTe films for phase change memory devices** *JOURNAL OF MATERIALS CHEMISTRY C*
  Jeon, G., Jeon, J., Kim, W., Kim, D., Noh, W., Choi, W., Park, B., Jeon, S., Kim, S., Yoo, C., Hwang, C.
  2025
- **Atomic layer deposition of Sn-doped germanium diselenide for an As-free Ovonic threshold switch with low off-current** *DALTON TRANSACTIONS*
  Park, B., Jeon, J., Kim, W., Choi, W., Jeon, G., Jeon, S., Kim, S., Yoo, C., Lim, J., Sung, Y., Ahn, D., Hwang, C.
  2024
- **Reversible modulation of critical electric fields for a field-induced ferroelectric effect with field-cycling in ZrO<sub>2</sub> thin films** *JOURNAL OF MATERIALS CHEMISTRY C*
  Shin, J., Shin, D., Kim, K., Seo, H., Ye, K., Jeon, J., Kim, T., Paik, H., Song, H., Lee, S., Choi, J., Hwang, C.
  2024; 12 (38)
- **Vertically Stackable Ovonic Threshold Switch Oscillator Using Atomic Layer Deposited Ge0.6Se0.4 Film for High-Density Artificial Neural Networks.** *ACS applied materials & interfaces*
  Jeon, J. W., Park, B., Jang, Y. H., Lee, S. H., Jeon, S., Han, J., Ryoo, S. K., Kim, K. D., Shim, S. K., Cheong, S., Choi, W., Jeon, G., Kim, et al
  2024
- **A Review of Advances in Deposition Methods and Material Properties of Superlattice Phase-Change Memory** *ACS APPLIED ELECTRONIC MATERIALS*
  Yoo, C., Jeon, J., Park, B., Choi, W., Jeon, G., Jeon, S., Kim, S., Hwang, C.
  2023; 5 (11): 5794-5808
- **Enhanced pseudo-atomic layer deposition of antimony telluride thin films by co-injecting NH3 gas with both precursors** *JOURNAL OF MATERIALS CHEMISTRY C*
  Jeon, S., Jeon, J., Choi, W., Park, B., Jeon, G., Yoo, C., Hwang, C.

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