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Bio

STANFORD ADVISORS

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Publications

PUBLICATIONS

- **Diffusion-driven formation of current blocking layers in GaN using Mg-doped spin-on glass-based technique** *JOURNAL OF APPLIED PHYSICS*
Sinha, N., Bian, Z., Toy, J., Ebadi Yekta, A., Chowdhury, S.
2026; 139 (18)
- **Material and electrical characterization of ultrawide bandgap BN/AlN metal-insulator-semiconductor (MIS) Schottky diodes** *JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A*
Mudiyanselage, D., Yekta, A., Mandia, R., Da, B., Wang, D., He, Z., Xie, J., Smith, D. J., Nemanich, R. J., Fu, H.
2025; 43 (6)
- **Band offset between cubic boron nitride and nitrogen-plasma terminated boron-doped diamond (111)** *APPLIED PHYSICS LETTERS*
Ebadi Yekta, A., McCartney, M. R., Smith, D. J., Tokuda, N., Nemanich, R. J.
2025; 127 (17)
- **On-chip direct synthesis of boron nitride memristors** *NATURE NANOTECHNOLOGY*
Xie, J., Yekta, A., Al Mamun, F., Zhu, K., Chen, M., Pazos, S., Zheng, W., Zhang, X., Tongay, S., Li, X., Wu, H., Nemanich, R., Akinwande, et al
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