

## Rohith Soman

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### Bio

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#### STANFORD ADVISORS

- Srabanti Chowdhury, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **Low Thermal Budget Growth of Near-Isotropic Diamond Grains for Heat Spreading in Semiconductor Devices** *ADVANCED FUNCTIONAL MATERIALS*  
Malakoutian, M., Zheng, X., Woo, K., Soman, R., Kasperovich, A., Pomeroy, J., Kuball, M., Chowdhury, S.  
2022
- **Nanoporous GaN on p-type GaN: A Mg out-diffusion compensation layer for heavily Mg-doped p-type GaN.** *Nanotechnology*  
Lee, K. J., Nakazato, Y., Chun, J., Wen, X., Meng, C., Soman, R., Noshin, M., Chowdhury, S.  
2022
- **Vertical Ga<sub>2</sub>O<sub>3</sub> MOSFET With Magnesium Diffused Current Blocking Layer** *IEEE ELECTRON DEVICE LETTERS*  
Zeng, K., Soman, R., Bian, Z., Jeong, S., Chowdhury, S.  
2022; 43 (9): 1527-1530
- **A study on MOCVD growth window for high quality N-polar GaN for vertical device applications** *SEMICONDUCTOR SCIENCE AND TECHNOLOGY*  
Soman, R., Noshin, M., Chowdhury, S.  
2022; 37 (9)
- **A systematic study of the regrown interface impurities in unintentionally doped Ga-polar c-plane GaN and methods to reduce the same** *SEMICONDUCTOR SCIENCE AND TECHNOLOGY*  
Noshin, M., Soman, R., Xu, X., Chowdhury, S.  
2022; 37 (7)