

Stanford



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Ph.D. Student in Physics, admitted Autumn 2017

Bio

STANFORD ADVISORS

- Tony Heinz, Doctoral Dissertation Advisor (AC)

Publications

PUBLICATIONS

- **Optical absorption of interlayer excitons in transition-metal dichalcogenide heterostructures.** *Science (New York, N.Y.)*
Barre, E., Karni, O., Liu, E., O'Beirne, A. L., Chen, X., Ribeiro, H. B., Yu, L., Kim, B., Watanabe, K., Taniguchi, T., Barmak, K., Lui, C. H., Refaely-Abramson, et al
2022; 376 (6591): 406-410
- **Structure of the moire exciton captured by imaging its electron and hole.** *Nature*
Karni, O., Barre, E., Pareek, V., Georganas, J. D., Man, M. K., Sahoo, C., Bacon, D. R., Zhu, X., Ribeiro, H. B., O'Beirne, A. L., Hu, J., Al-Mahboob, A., Abdelrasoul, et al
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- **Light Absorption and Emission Dominated by Trions in the Type-I van der Waals Heterostructures** *ACS PHOTONICS*
Bae, H., Kim, S., Lee, S., Noh, M., Karni, O., O'Beirne, A. L., Barre, E., Sim, S., Cha, S., Jo, M., Heinz, T. F., Choi, H.
2021; 8 (7): 1972-1978