

Stanford

Yilei Li

Postdoctoral Research Fellow, Physics

Bio

PROFESSIONAL EDUCATION

- Bachelor of Engineering, Hong Kong University Of Science & Technology (2010)
- Doctor of Philosophy, Columbia University (2014)

STANFORD ADVISORS

- Steven Chu, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Optical Imaging and Spectroscopic Characterization of Self-Assembled Environmental Adsorbates on Graphene** *NANO LETTERS*
Gallagher, P., Li, Y., Watanabe, K., Taniguchi, T., Heinz, T. F., Goldhaber-Gordon, D.
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- **Two-dimensional models for the optical response of thin films** *2D MATERIALS*
Li, Y., Heinz, T. F.
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- **High-harmonic generation from an atomically thin semiconductor** *NATURE PHYSICS*
Liu, H., Li, Y., You, Y. S., Ghimire, S., Heinz, T. F., Reis, D. A.
2017; 13 (3): 262-?
- **High-order harmonics from bulk and 2D crystals**
You, Y., Ndabashimiye, G., Liu, H., Li, Y., Heinz, T. F., Reis, D. A., Ghimire, S., IEEE
IEEE.2017
- **Ultrasensitive Plasmonic Detection of Molecules with Graphene** *ACS PHOTONICS*
Farmer, D. B., Avouris, P., Li, Y., Heinz, T. F., Han, S.
2016; 3 (4): 553-557
- **Measurement of Lateral and Interfacial Thermal Conductivity of Single- and Bilayer MoS₂ and MoSe₂ Using Refined Optothermal Raman Technique.** *ACS applied materials & interfaces*
Zhang, X., Sun, D., Li, Y., Lee, G., Cui, X., Chenet, D., You, Y., Heinz, T. F., Hone, J. C.
2015; 7 (46): 25923-25929
- **Photonic and Plasmonic Guided Modes in Graphene-Silicon Photonic Crystals** *ACS PHOTONICS*
Gu, T., Andryieuski, A., Hao, Y., Li, Y., Hone, J., Wong, C. W., Lavrinenko, A., Low, T., Heinz, T. F.
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- **Bright visible light emission from graphene** *NATURE NANOTECHNOLOGY*
Kim, Y. D., Kim, H., Cho, Y., Ryoo, J. H., Park, C., Kim, P., Kim, Y. S., Lee, S., Li, Y., Park, S., Yoo, Y. S., Yoon, D., Dorgan, et al
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