Stanford

Emma Simmerman

Ph.D. Student in Applied Physics, admitted Autumn 2020

Publications

PUBLICATIONS

- **Giant Plasmon-Exciton Coupling in Small Plasmonic Nanoparticles from an Ab Initio GW-BSE Approach.** *Nano letters*
  Simmerman, E. M., Altman, A. R., da Jornada, F. H.
  2026

- **Nanoscale and ultrafast in situ techniques to probe plasmon photocatalysis** *CHEMICAL PHYSICS REVIEWS*
  Carlin, C. C., Dai, A. X., Al-Zubeidi, A., Simmerman, E. M., Oh, H., Gross, N., Lee, S. A., Link, S., Landes, C. F., da Jornada, F. H., Dionne, J. A.
  2023; 4 (4)

- **Controlling Valley-Specific Light Emission from Monolayer MoS2 with Achiral Dielectric Metasurfaces.** *Nano letters*
  Liu, Y., Lau, S. C., Cheng, W., Johnson, A., Li, Q., Simmerman, E., Karni, O., Hu, J., Liu, F., Brongersma, M. L., Heinz, T. F., Dionne, J. A.
  2023

- **Characterizing dark state kinetics and single molecule fluorescence of FusionRed and FusionRed-MQ at low irradiances.** *Physical chemistry chemical physics : PCCP*
  Mukherjee, S., Thomas, C., Wilson, R., Simmerman, E., Hung, S., Jimenez, R.
  2022

- **Reconfigurable Quantum Local Area Network Over Deployed Fiber** *PRX QUANTUM*
  Alshowkan, M., Williams, B. P., Evans, P. G., Rao, N. S., Simmerman, E. M., Lu, H., Lingaraju, N. B., Weiner, A. M., Marvinney, C. E., Pai, Y., Lawrie, B. J., Peters, N. A., Lukens, et al
  2021; 2 (4)

- **A Reconfigurable Quantum Local Area Network Over Deployed Fiber**
  Alshowkan, M., Williams, B. P., Evans, P. G., Rao, N. S., Simmerman, E. M., Lu, H., Lingaraju, N. B., Weiner, A. M., Peters, N. A., Lukens, J. M., IEEE
  IEEE.2021

- **Remote State Preparation in a Reconfigurable Quantum Local Area Network**
  Alshowkan, M., Williams, B. P., Evans, P. G., Rao, N. S., Simmerman, E. M., Lingaraju, N. B., Lu, H., Weiner, A. M., Marvinney, C. E., Pai, Y., Lawrie, B. J., Peters, N. A., Lukens, et al
  IEEE.2021