

Stanford



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Ph.D. Student in Applied Physics, admitted Autumn 2019

Publications

PUBLICATIONS

- **X-ray induced Coulomb explosion imaging of transient excited-state structural rearrangements in CS₂**. *COMMUNICATIONS PHYSICS*
Unwin, J., Allum, F., Britton, M., Gabalski, I., Bromberger, H., Brouard, M., Bucksbaum, P. H., Driver, T., Ekanayake, N., Garg, D., Gougoula, E., Heathcote, D., Howard, et al
2023; 6 (1)
- **Femtosecond Electronic and Hydrogen Structural Dynamics in Ammonia Imaged with Ultrafast Electron Diffraction.** *Physical review letters*
Champenois, E. G., List, N. H., Ware, M., Britton, M., Bucksbaum, P. H., Cheng, X., Centurion, M., Cryan, J. P., Forbes, R., Gabalski, I., Hegazy, K., Hoffmann, M. C., Howard, et al
2023; 131 (14): 143001
- **Time-Resolved X-ray Photoelectron Spectroscopy: Ultrafast Dynamics in CS₂ Probed at the S 2p Edge.** *The journal of physical chemistry letters*
Gabalski, I., Allum, F., Seidu, I., Britton, M., Brenner, G., Bromberger, H., Brouard, M., Bucksbaum, P. H., Burt, M., Cryan, J. P., Driver, T., Ekanayake, N., Erk, et al
2023: 7126-7133
- **Filming enhanced ionization in an ultrafast triatomic slingshot.** *Communications chemistry*
Howard, A. J., Britton, M., Streeter, Z. L., Cheng, C., Forbes, R., Reynolds, J. L., Allum, F., McCracken, G. A., Gabalski, I., Lucchese, R. R., McCurdy, C. W., Weinacht, T., Bucksbaum, et al
2023; 6 (1): 81
- **Transient vibration and product formation of photoexcited CS₂ measured by time-resolved x-ray scattering.** *The Journal of chemical physics*
Gabalski, I., Sere, M., Acheson, K., Allum, F., Boutet, S., Dixit, G., Forbes, R., Glownia, J. M., Goff, N., Hegazy, K., Howard, A. J., Liang, M., Minitti, et al
2022; 157 (16): 164305
- **Multichannel photodissociation dynamics in CS₂ studied by ultrafast electron diffraction.** *Physical chemistry chemical physics : PCCP*
Razmus, W. O., Acheson, K., Bucksbaum, P., Centurion, M., Champenois, E., Gabalski, I., Hoffman, M. C., Howard, A., Lin, M., Liu, Y., Nunes, P., Saha, S., Shen, et al
2022
- **X-ray scattering signatures of early-time accelerations in iodine dissociation** *JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS*
Gabalski, I., Ware, M. R., Bucksbaum, P. H.
2020; 53 (24)