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Bio

ACADEMIC APPOINTMENTS

- Phys Sci Res Assoc, T. H. Geballe Laboratory for Advanced Materials

Publications

PUBLICATIONS

- **Direct imaging of shock wave splitting in diamond at Mbar pressure** *MATTER AND RADIATION AT EXTREMES*
Makarov, S., Dyachkov, S., Pikuz, T., Katagiri, K., Nakamura, H., Zhakhovsky, V., Inogamov, N., Khokhlov, V., Martynenko, A., Albertazzi, B., Rigon, G., Mabey, P., Hartley, et al
2023; 8 (6)
- **Simultaneous bright- and dark-field X-ray microscopy at X-ray free electron lasers.** *Scientific reports*
Dresselhaus-Marais, L. E., Koziolowski, B., Holstad, T. S., Ræder, T. M., Seaberg, M., Nam, D., Kim, S., Breckling, S., Choi, S., Chollet, M., Cook, P. K., Folsom, E., Galtier, et al
2023; 13 (1): 17573
- **Transonic dislocation propagation in diamond.** *Science (New York, N.Y.)*
Katagiri, K., Pikuz, T., Fang, L., Albertazzi, B., Egashira, S., Inubushi, Y., Kamimura, G., Kodama, R., Koenig, M., Koziolowski, B., Masaoka, G., Miyanishi, K., Nakamura, et al
2023; 382 (6666): 69-72
- **Effects of hydrogen concentration in ablator material on stimulated Raman scattering, two-plasmon decay, and hot electrons for direct-drive inertial confinement fusion** *PHYSICAL REVIEW RESEARCH*
Kawasaki, K., Cristoforetti, G., Idesaka, T., Hironaka, Y., Tanaka, D., Batani, D., Fujioka, S., Gizzi, L. A., Hata, M., Johzaki, T., Katagiri, K., Kodama, R., Nagatomo, et al
2023; 5 (3)
- **Nanolamellar phase transition in an additively manufactured eutectic high-entropy alloy under high pressures** *AIP ADVANCES*
Pope, A. D., Iwan, S., Clay, M. P., Vohra, Y. K., Katagiri, K., Dresselhaus-Marais, L., Ren, J., Chen, W.
2023; 13 (3)
- **Diamond formation kinetics in shock-compressed C#H#O samples recorded by small-angle x-ray scattering and x-ray diffraction.** *Science advances*
He, Z., Rodel, M., Lutgert, J., Bergemann, A., Bethkenhagen, M., Chekrygina, D., Cowan, T. E., Descamps, A., French, M., Galtier, E., Gleason, A. E., Glenn, G. D., Glenzer, et al
2022; 8 (35): eabo0617
- **Hugoniot equation-of-state and structure of laser-shocked polyimide C22H10N2O5** *PHYSICAL REVIEW B*
Katagiri, K., Ozaki, N., Murayama, D., Nonaka, K., Hironaka, Y., Inubushi, Y., Miyanishi, K., Nakamura, H., Okuchi, T., Sano, T., Seto, Y., Shigemori, K., Sueda, et al
2022; 105 (5)