

技術課及び安全衛生管理室

B-1) 学術論文

J. R. HARRIES, H. IWAYAMA, S. KUMA, M. IIZAWA, N. SUZUKI, Y. AZUMA, I. INOUE, S. OWADA, T. TOGASHI, K. TONO, M. YABASHI and E. SHIGEMASA, “Superfluorescence, Free-Induction Decay, and Four-Wave Mixing: Propagation of Free-Electron Laser Pulses through a Dense Sample of Helium Ions,” *Phys. Rev. Lett.* **121**, 263201 (6 pages) (2018).

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J. MORIMOTO, Y. FUKUDA, D. KURODA, T. WATANABE, F. YOSHIDA, M. ASADA, T. NAKAMURA, A. SENOO, S. NAGATOISHI, K. TSUMOTO and S. SANDO, “A Peptoid with Extended Shape in Water,” *J. Am. Chem. Soc.* **141**, 14612 (12 pages) (2019).

M. NAGASAKA, H. YUZAWA, N. TAKADA, M. AOYAMA, E. RÜHL and N. KOSUGI, “Laminar Flow in Microfluidics Investigated by Spatially-Resolved Soft X-Ray Absorption and Infrared Spectroscopy,” *J. Chem. Phys.* **151**, 114201 (7 pages) (2019).

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G. KAWAGUCHI, A. A. BARDIN, M. SUDA, M. URUICHI and H. M. YAMAMOTO, “An Ambipolar Superconducting Field-Effect Transistor Operating above Liquid Helium Temperature,” *Adv. Mater.* **31**, 1805715 (6 pages) (2019).

B-8) 大学での講義, 客員

繁政英治, 新潟大学大学院自然環境科学科, 自然環境科学集中講義「原子分子物理学I」, 2019年10月3日–4日, 10月21日–22日.

岡野泰彬, 中部大学非常勤講師, 「力学」, 2019年春期, 「基礎電磁気学」, 2019年秋期.