
<報文>

(原著論文)

- [1] Daisuke Takei, Je Hoi Mun, Shinichirou Minemoto, and Hirofumi Sakai, "Laser-field-free three-dimensional molecular orientation," *Phys. Rev. A* **94**, 013401 (2016).
- [2] Shinichirou Minemoto, Takahiro Teramoto, Hiroshi Akagi, Takashi Fujikawa, Takuya Majima, Kyo Nakajima, Kaori Niki, Shigeki Owada, Hirofumi Sakai, Tadashi Togashi, Kensuke Tono, Shota Tsuru, Ken Wada, Makina Yabashi, Shintaro Yoshida, and Akira Yagishita, "Structure determination of molecules in an alignment laser field by femtosecond photoelectron diffraction using an X-ray free-electron laser," *Sci. Rep.* **6**, 38654; doi: 10.1038/srep38654 (2016).

<学術講演>

(国際会議)

招待講演

- [3] Hirofumi Sakai, "Orientation dependence in multi-channel dissociative ionization of carbonyl sulfide (OCS) molecules," EMN Meeting on Ultrafast 2016, Melbourne, Australia, October 11, 2016.
- [4] Shinichirou Minemoto, "Photoelectron diffraction from laser-aligned molecules using an x-ray free-electron laser," to present at the 2017 ICPEAC satellite: (e,2e), Double Photo-ionization & Related Topics and Polarization and Correlation in Electronic & Atomic Collisions, Palm Cove, Australia, August 2–4, 2017.

一般講演

- [5] S. Minemoto, T. Teramoto, H. Akagi, T. Fujikawa, T. Majima, K. Nakajima, K. Ogawa, H. Sakai, T. Togashi, K. Tono, S. Tsuru, S. Yoshida, K. Wada, M. Yabashi, and A. Yagishita, "Femtosecond structure determination of molecules in an alignment laser by photoelectron diffraction with an XFEL," The 16th International Conference on X-Ray Lasers, Nara, Japan, May 24, 2016.
- [6] S. Minemoto, T. Teramoto, H. Akagi, T. Fujikawa, T. Majima, K. Nakajima, K. Ogawa, H. Sakai, T. Togashi, K. Tono, S. Tsuru, S. Yoshida, K. Wada, M. Yabashi, and A. Yagishita, "Femtosecond structure determination of aligned molecules in an intense laser field studied by X-ray photoelectron diffraction with an XFEL," 39th International Conference on Vacuum Ultraviolet and X-ray Physics, Zürich, Switzerland, July 5, 2016.
- [7] Shinichirou Minemoto, Wataru Komatsubara, and Hirofumi Sakai, "Verification of nonadiabatic orientation of CO molecules with a femtosecond two-color laser pulse studied by high-order harmonic generation and Coulomb explosion imaging," International Conference on Ultrafast Phenomena 2016, Santa Fe, New Mexico, USA, July 21, 2016.

- [8] Shinichirou Minemoto, Hiroyuki Shimada, Kazuma Komatsu, Wataru Komatsubara, Takuya Majima, Soichiro Miyake, Tomoya Mizuno, Satoru Takano, Hirofumi Sakai, Shintaro Yoshida, and Akira Yagishita, "Electron spectra in short-pulse two-color (EUV+NIR) photoionization of atoms and molecules," to present at 33rd Symposium on Chemical Kinetics and Dynamics, Nagoya, Japan, June 7–9, 2017.

- [9] Wataru Komatsubara, Shinichirou Minemoto, Kazuma Komatsu, Soichiro Miyake, Satoru Takano, Tsutomu Taguchi, and Hirofumi Sakai, "High-order harmonic generation from benzene molecules," to present at 33rd Symposium on Chemical Kinetics and Dynamics, Nagoya, Japan, June 7–9, 2017.

- [10] Md. Maruf Hossain, Xiang Zhang, Shinichirou Minemoto, and Hirofumi Sakai, "All-optical molecular orientation of state-selected OCS molecules," to present at 33rd Symposium on Chemical Kinetics and Dynamics, Nagoya, Japan, June 7–9, 2017.

(国内会議)

招待講演

- [11] 峰本紳一郎、「SACLA を用いた光電子回折による配向分子の構造可視化：超高速化学反応の時間発展可視化に向けて」、第 3 回放射光連携ワークショップ、ステーションカンファレンス東京、2017 年 1 月 31 日。

一般講演

- [12] 峰本紳一郎、小松原航、酒井広文、「フェムト秒 2 波長レーザーパルスで励起された CO 分子の回転波束からの偶数次高調波の発生機序」、日本物理学会 2016 年秋季大会、金沢大学角間キャンパス (石川県金沢市角間町)、2016 年 9 月 15 日 (木)。