

## 学会誌発表業績

### (1) 原著論文による発表

#### (1) 国際誌(欧文)

[1] Md. M. Kabir, D. Ito, Y. Oishi, and F. Kannari, "Two-wave mixing amplification of femtosecond laser pulses at 800 nm in a Rh:BaTiO<sub>3</sub> photorefractive crystal," *Jpn. J. Appl. Phys.*, vol. 50 no. 10, pp.102702-1-8, Oct. 2011.

[2] T. Harada, K. Matsuishi, Y. Oishi, K. Isobe, A. Suda, H. Kawano, H. Mizuno, A. Miyawaki, K. Midorikawa, and F. Kannari, "Temporal control of local plasmon distribution on Au nanocrosses by ultra-broadband femtosecond laser pulses and its application for selective two-photon excitation of multiple fluorophores," *Opt. Express*, vol.19, no.14, pp.13618-13627, July 2011.

[3] T. Ikuta, K. Hosaka, H. Akagi, A. Yokoyama, K. Yamanouchi, F. Kannari, and R. Itakura, "Separation of ionization and subsequent electronic excitation for formation of electronically excited ethanol cation in intense laser fields," *J. Phys. B*, vol. 44 , no. 19 , pp. 191002-1-5, Oct. 2011.

[4] T. Sato, A. K. Ishibashi, T. Okino, K. Yamanouchi, J. Adachi, A. Yagishita, H. Yazawa, F. Kannari, M. Aoyama, K. Yamakawa, K. Midorikawa, H. Nakano, M. Yabashi, M. Nagasono, A. Higashiya, and T. Ishikawa, "Determination of the absolute two-photon ionization cross section of He by an XUV free electron laser," *J. Phys. B*, vol.44, no.16, pp.161001-1-5 , Aug. 2011.

[5] N. Miyauchi, J. Adachi, A. Yagishita, T. Sako, F. Koike, T. Sato, A. Iwasaki, T. Okino, K. Yamanouchi, K. Midorikawa, K. Yamakawa, F. Kannari, H. Nakano, M. Nagasono, K. Tono, M. Yabashi, T. Ishikawa, T. Togashi, H. Ohashi, H. Kimura, and Y. Senba, "Three-photon double ionization of Ar studied by photoelectron spectroscopy using an extreme ultraviolet free-electron laser: manifestation of resonance states of an intermediate Ar<sup>(+)</sup> ion," *J. Phys. B*, vol.44, no.7, pp.071001-1-7, April. 2011.

[6] Md. M. Kabir, Y. Oishi, H. Suzuki, and F. Kannari, "Photorefraction in an Fe:LiNbO<sub>3</sub> crystal with femtosecond pulses at 800 nm," *J. Laser and Particle Beams* [in press].

[7] J. Kojou, Y. Watanabe, Y. Kojima, H. Nemoto, F. Kannari, “Intracavity second-harmonic generation at 320 nm of an actively Q-switched Pr :LiYF<sub>4</sub> laser,” Appl. Opt. vol.51, No.8, pp. 1382-1386, March 2012.

(2) 国内学会誌

[1] 神成文彦、磯部圭佑、須田 亮、橋本博、河野弘幸、水野秀昭、宮脇敦史、緑川克美, “超広帯域フェムト秒レーザーを用いた非線形光学顕微鏡,” レーザー研究 vol.39、no.12、pp.893-903, Nov. 2011.