

1.原著論文

(1) Refereed Journal

- 1) Kunihiro Ishii, Hiro-o Hamaguchi: "Picosecond time-resolved multiplex CARS spectroscopy using optical Kerr gating", *Chem. Phys. Lett.*, **367**, 672-677 (2003).
- 2) Yu-san Huang, Takeshi Karashima, Masayuki Yamamoto and Hiro-o Hamaguchi: "Molecular-level pursuit of yeast mitosis by time- and space-resolved Raman spectroscopy", *J. Raman Spectrosc.*, **34**, 1-3 (2003).
- 3) Hideaki Kano and Hiro-o Hamaguchi: "Cascading third-order Raman process studied by six-wave mixing broadband multiplex coherent anti-Stokes Raman scattering spectroscopy", *J. Chem. Phys.*, **118**, 10, 4556-4562 (2003).
- 4) Satoshi Hayashi, Ryosuke Ozawa, and Hiro-o Hamaguchi: "Raman Spectra, Crystal Polymorphism, and Structure of a Prototype Ionic-liquid [bmim]Cl", *Chem. Lett.*, **32**, 6, 498-499 (2003).
- 5) Hiroya Yamazaki, Shoji Kaminaka, Eiichi Kohda, Makio Mukai, and Hiro-o Hamaguchi: "The Diagnosis of Lung Cancer Using 1064-nm Excited Near-infrared Multichannel Raman Spectroscopy", *Radiation Medicine*, **21**, 1, 1-6 (2003).
- 6) Satomi Tanaka, Chihiro Kato, Kazuyuki Horie, and Hiro-o Hamaguchi: "Time-resolved infrared spectra and structures of the excited singlet and triplet states of fluorenone", *Chem. Phys. Lett.*, **381**, 385-391 (2003)
- 7) Satyen Saha, Satoshi Hayashi, Akiko Kobayashi, and Hiro-o Hamaguchi: "Crystal Structure of 1-Butyl-3-methylimidazolium Chloride. A Clue to the Elucidation of the Ionic Liquid Structure", *Chem. Lett.*, **32**, 8, 740-741 (2003).
- 8) Ryosuke Ozawa, Satoshi Hayashi, Satyen Saha, Akiko Kobayashi, and Hiro-o Hamaguchi: "Rotational Isomerism and Structure of the 1-Butyl-3-methylimidazolium Cation in the Ionic Liquid State", *Chem. Lett.*, **32**, 10, 948-949 (2003).
- 9) Hideaki Kano and Hiro-o Hamaguchi: "Characterization of supercontinuum generated from a photonic crystal fiber and its application to coherent Raman spectroscopy", *Optics Lett.*, **28**, 23, 2860-2362 (2003).

2.総説・解説

- 1) 平松弘嗣, 瀧口宏夫: 「電場変調赤外分光法とその液体構造解析への応用」, *分光研究*, **52**(3), 138-156(2003).