

<Journal Paper>

- 1 G. Senthil Murugan, T. Suzuki and Y. Ohishi, "Tellurite glasses for ultrabroadband fiber Raman amplifiers", *Appl. Phys. Lett.*, Vol. 86, No. 16, pp. 161109-1-3, April 2005.
- 2 G. Senthil Murugan, T. Suzuki and Y. Ohishi, "Phospho-tellurite glasses containing heavy metal oxides for ultrabroad band fiber Raman amplifiers", *Appl. Phys. Lett.*, Vol. 86, No. 22, pp. 221109-1-3, May 2005.
- 3 T. Suzuki, G. Senthil Murugan and Y. Ohishi, "Spectroscopic properties of a novel near-infrared tunable laser material Ni:MgGa₂O₄", *J. of Luminescence*, Vol. 113, pp. 265-270, June 2005.
- 4 T. Suzuki, K. Horibuchi and Y. Ohishi, "Structural and optical properties of ZnO-Al₂O₃-SiO₂ system glass-ceramics containing Ni²⁺-doped nanocrystals", *J. Non-Cryst. Solids*, Vol. 351, pp. 2304-2309, August 2005.
- 5 T. Suzuki, G. Senthil Murugan and Y. Ohishi, "Structural and optical properties of nickel zinc alumino-gallo-silicate glass", *Physics. and Chemistry. of Glasses-European Journal of Glass Science and Technology Part B*, Vol. 46, No.4, pp. 400-403, August 2005.
- 6 G. Senthil Murugan, T. Suzuki and Y. Ohishi, "Raman spectroscopic studies of quaternary tellurite glasses containing Nb₂O₅ and Ta₂O₅", *Physics. and Chemistry of Glasses-European Journal of Glass Sicence and Technology Part B*, vol. 46, No.4, pp. 359-364, August 2005.
7. T. Suzuki, Y. Ohishi and T. Tani, "Structural and fluorescence properties of Ni: MgO-SiO₂ particles synthesized by flame spray pyrolysis", *Materials Science and Engineering: B*, Vol. 128, Issues 1-3, pp. 151-155, March 2006.
8. T. Suzuki, Y. Ohishi and T. Tani, "Structural and fluorescence properties of Ni: MgO-SiO₂ particles synthesized by flame spray pyrolysis", *Materials Science and Engineering: B*, Vol. 128, Issues 1-3, pp. 151-155, March 2006.

< Proceedings >

1. T. Suzuki, G. S Murugan, and Y. Ohishi, "Efficient broadband near-infrared emission from Ni²⁺ -doped Li₂O-Ga₂O₃-SiO₂ transparent glass-ceramics", Confernece on Lasers and Electro-Optics (CLEO) 2005, CME7, Baltimore, USA, May 2005.
2. Y. Ohishi, T. Suzuki, and G. S. Murugan, "Quantum efficiency of a broadband near-infrared emission from Ni²⁺-doped Li₂O-Ga₂O₃-SiO₂ transparent glass ceramics", 2005 Conference on Lasers and Electro-Optics Europe (CLEO Europe 2005), CE3-4TUE, pp. 282, Munich, Germany, June 2005.
3. G. S. Murugan, T. Suzuki, Y. Ohishi, Y. Takahashi, Y. Benino, T. Fujiwara, and T. Komatsu, "Nonlinear Optics behavior of Transparent Surface Crystallized Glasses in the B₂O-B₂O₃-TeO₂ system", 2005 Pacific Rim Conference on Lasers & Electro-Optics, CWAB3-P50, Tokyo, Japan, July 2005.
4. T. Suzuki, G. S. Murugan, and Y. Ohishi, Ultra-broad band phospho-tellurite glasses containing heavy metal oxides for fiber Raman amplifiers, 005 Pacific Rim Conference on Lasers & Electro-Optics, CF12-5, Tokyo, Japan, July 2005.
5. Y. Ohishi, G. Senthil Murugan and T. Suzuki, "A new category of tellurite glasses for ultra-broadband fiber Raman amplifiers", 31st European Conference on Optical Communications (ECOC2005), pp. 649 - 650, Glasgow, Scotland, September 2005.
6. Y. Ohishi, T. Fumita, H. Yamauchi, and T. Suzuki, "Optical properties of erbium and thulium co-doped in tellurite glasses for the S+C band optical amplification", SPIE Optics East 2005, pp. 601417-1-9, Boston USA, October 2005.
7. Y. Ohishi and T. Suzuki, "Ultra-broadband near-infrared emission from Bi-doped lithium alunino silicate glasses for optical amplification", 2006 Optical Fiber Communication Conference and the National Fiber Optic Engineers Conference (OFC / NFOEC2006), OW133, Anaheim, USA, March 2006.
8. 鈴木健伸, G. Senthil Murugan, 大石泰丈, "超広帯域ファイバーマン増幅器用新

規リン酸テルライトガラスの光学特性”, The 16th Meeting on Glasses for Photonics, 東京工業大学, 東京, January 2006.

9. 山下達弥, 藤本大輔, 大石泰丈, “Tb³⁺ - Yb³⁺ 共添加 TeO₂-WO₃ ガラスにおけるアップコンバージョン特性” 第 53 回応用物理学関係連合講演会, 25a-ZA-5, 武藏工業大学, March 2006.
10. 鈴木健伸, 岡田佳貴, 大石泰丈, “ビスマス添加 Li₂O-Al₂O₃-SiO₂ ガラスの近赤外発光の超広帯域化” 第 53 回応用物理学関係連合講演会, 25a-ZA-12, 武藏工業大学, March 2006.
11. 山下達弥, 大石泰丈, “Tb³⁺添加シリケートガラスの光学特性“, 第 53 回応用物理学関係連合講演会, 24p-Y-11, 武藏工業大学, March 2006.
12. 山下達弥, 鈴木健伸, 大石泰丈, “可視域光增幅用 Tb³⁺添加シリケートガラスの光学特性”, 日本セラミックス協会 2006 年年会, 2F06, 東京大学駒場キャンパス, March 2006.
13. 鈴木健伸, 岡田佳貴, 大石泰丈, “ビスマス添加シリケートガラスの近赤外発光の超広帯域化”, 日本セラミックス協会 2006 年年会, 2F10, 東京大学駒場キャンパス, March 2006.
14. Rajan Jose, Madoka Takemura, Takenobu Suzuki, and Yasutake Ohishi, “Raman gain spectra of phosphor-tellurite glasses”, Annual Meeting of The Ceramic Society of Japan, 2006, 2F09, the University of Tokyo, March 2006.