

## **2010 —KIRIHARA Soshu**

### **Scientific Papers/Commentary Articles**

1. Soshu Kirihara, Noritoshi Ohta, Toshiki Nikil, Masaru Kaneko, Terahertz Wave Properties of Alumina Photonic Crystals, *Ceramic Transactions*, 216, 121-127, 2010
2. Soshu Kirihara, Toshiki Nikil, Masaru Kaneko, Terahertz Wave Harmonization in Geometrically Patterned Dielectric Ceramics Through Spatially Structural Joining, *Ceramic Transactions*, 216, 113-119, 2010
3. Mitsuyori Suwa, Soshu Kirihara, Taiji Sohmura, Freeform Fabrication and Structural Controls of Alumina Dental-Crown Models by Using Stereolithography, *Ceramic Transactions*, 218, 213-220, 2010
4. Soshu Kirihara, Naoki Komori, Noritoshi Ohta, Smart Processing for Ceramics Structure Tectonics: Fabrication of Dielectric Micro Patterns for Artificial Photosynthesis in Terahertz Wave Regions by Using Stereolithography, *Advances in Science and Technology*, 63, 141-146, 2010
5. Soshu Kirihara, Naoki Komori, Maasa Nakano, Noritoshi Ohta, Toshiki Niki, Terahertz Wave Properties of Micro Patterned Titania and Metallic Glass Particles in Hexagonal Tablet Fabricated Using Microstereolithography, *Ceramic Transactions*, 219, 61-66, 2010
6. Mitsuyori Suwa, Soshu Kirihara, Taiji Soumura, Fabrication of Alumina Dental Crowns Using Stereolithography, *Ceramic Transactions*, 219, 331-336, 2010
7. Toshiki Niki, Soshu Kirihara, Fabrication of Alumina Diamond Photonic Crystals with Twinned Interfaced to Develop Terahertz Wave Resonators, *Ceramic Transactions*, 219, 325-330, 2010

### **International Conference Proceedings**

1. Soshu Kirihara, Daisuke Sano, Toshiki Niki, Noritoshi Ohta, Youhei Takinami, Fabrication of Micro Photonic Crystals for Handling of Terahertz Electromagnetic Waves, *Proceeding of Nanotech Conference & Expo 2010*, 2, 223-226, 2010
2. Soshu Kirihara, Yasunori Uehara, Youhei Takinami, Fabrication of Thermodynamic Crystals by Structural Joining, *Proceedings of the 34th International Conference Advanced Ceramics and Composites*, 31, 169-174, 2010
3. Mitsuyori Suwa, Soshu Kirihara, Taiji Sohmura, Fabrication of Alumina Dental Crown Model with Biomimetic Structure by Using Stereolithography, *Proceedings of the 34th International Conference Advanced Ceramics and Composites*, 31, 239-245, 2010
4. Youhei Takinami, Soshu Kirihara, Freeform Joining of Metal Structures to Create Microwave

Emission Devices, Proceedings of Materials Science and Technology 2010, ISBN 978-0-87339-756-8, 2723-2731, 2010

5. Soshu Kiriara, Yasunoari Uehara, Youhei Takinami, Development of Thermodynamic Crystals with Diamond Lattice Patterns, Proceedings of Materials Science and Technology 2010, ISBN 978-0-87339-756-8, 852-857, 2010

### **Publications**

1. Kevin Ewsuk, Makio Naito, Tomoyuki Kakeshita, Soshu Kiriara, Keizo Uematsu, Hiroya Abe, Characterization and Control of Interfaces for High Quality Advanced Materials III, WILEY, 2010, 405 pages

### **Symposia**

1. 3rd International Congress on Ceramics (ICC3), Invited speakers: Kazuo Inamori (Founder and Chairman Emeritus, Kyocera Corporation, Japan), Ludwig J. Gauckler (Professor and Chairman of Department of Materials, Swiss Federal Institute of Technology Zurich , Switzerland), Zhong Lin Wang (Regents' Professor and Director of Center for Nanostructure Characterization, Georgia Institute of Technology, USA)