

2011 —KIRIHARA Soshu

Scientific Papers/Commentary Articles

1. Soshu Kirihara, Katsuya Noritake, Satoko Tasaki, Hiroya Abe, Smart Processing of Solid Electrolyte Dendrites with Ordered Porous Structures for Fuel Cell Miniaturizations, *Ceramic Interconnect and Ceramic Microsystems Technology*, 7, 17-22, 2011
2. Satoko Tasaki, Soshu Kirihara, Zinc Oxide Modeling to Create Semiconductor Dendrites by Using Micro Stereolithography, *Ceramic Interconnect and Ceramic Microsystems Technology*, 7, 193-198, 2011
3. Soshu Kirihara, Noritoshi Ohta, Toshiki Niki and Satoko Tasaki, Fabrications of Terahertz Wave Resonators in Micro Liquid Cells Introduced into Alumina Photonic Crystals with Diamond Structures, *International Scholarly Research Network Materials Science*, 2011, 897235-8, 2011
4. Chiaki Maeda, Satoko Tasaki, Soshu Kirihara, Accurate Fabrication of Hydroxyapatite Bone Models with Porous Scaffold Structures by Using Stereolithography, *Materials Science and Engineering*, 18, 072017-1-4, 2011
5. Yohei Takinami, Soshu Kirihara, Fabrication of Metaroddielectric Photonic Crystals for Microwave Control, *Materials Science and Engineering*, 18, 072016-1-4, 2011
6. Noritoshi Ohta, Soshu Kirihara, Fabrication of Terahertz Wave Resonators with Alumina Diamond Photonic Crystals for Frequency Amplification in Water Solvents, *Materials Science and Engineering*, 18, 072015-1-4, 2011
7. Soshu Kirihara, Noritoshi Ohta, Youhei Takinami, Satoko Tasakai, Smart Processing of Micro Photonic Crystals for Terahertz Wave Control: Freeform Fabrication by Stereolithographic Technique, *Materials Science Forum*, 706-709, 1925-1931, 2011
8. Soshu Kirihara, Development of Photonic and Thermodynamic Crystals Conforming to Sustainability Conscious Materials Tectonics, *WIT Transactions on Ecology and The Environment*, 154, 103-114, 2011

International Conference Proceedings

1. Soshu Kirihara, Katsuya Noritake, Satoko Tasaki and Hiroya Abe, Smart Materials Tectonics: Development of Solid Electrolyte Dendrites, *Proceeding of the Nineteenth Annual International Conference on Composites / Nano Engineering*, *Proceeding of the 19th Annual International Conference on Composites / Nano Engineering*, 19, 579-580, 2011
2. Soshu Kirihara, Noritoshi Ohta, Satoko Tasaki, Energy Localizations of Terahertz Waves in Photonic Crystals with Cavity Cells, *Proceedings of 3rd International Symposium on Advanced*

- Ceramics and Technology for Sustainable Energy Applications, 3, 91-92, 2011
3. Soshu Kirihaara, Katsuya Noritake, Naoki Komori, Satoko Tasaki, Visualization of Gaseous Fluid Profiles in Solid Electrolyte Dendrites Fabricated by Micro Patterning Stereolithography, Proceedings of International Seminar on Welding Science and Engineering (WSE2011), 4, 47-50, 2011
 4. Soshu Kirihaara, Yousuke Itakura, Satoko Tasaki, Titania Dielectric Patterning by Using Micro Stereolithography, Proceedings of International Symposium on Materials Science and Innovation for Sustainable Society (ECO-MATES 2011), 2011, 247, 2011
 5. Yasunori Uehara, Soshu Kirihaara, Satoko Tasaki, Fabrication of Intermetallics Micro Networks on Light Metals for Surface Stress Control by Using Reaction Diffusion Joining, Proceedings of International Symposium on Materials Science and Innovation for Sustainable Society (ECO-MATES 2011), 2011, 227-228, 2011
 6. Naoki Komori, Soshu Kirihaara, Satoko Tasaki, Smart Processing of Solid Electrolyte with Dendritic Microstructures for Fuel Cell Miniaturizations, Proceedings of International Symposium on Materials Science and Innovation for Sustainable Society (ECO-MATES 2011), 2011, 229-230, 2011
 7. Maasa Nakano, Soshu Kirihaara, Satoko Tasaki, Fabrication of Photonic Crystals Composed of Metallic and Oxide Glasses by Using Micro Stereolithography, Proceedings of International Symposium on Materials Science and Innovation for Sustainable Society (ECO-MATES 2011), 2011, 249-250, 2011
 8. Satoko Tasaki, Soshu Kirihaara, Fabrication of Zinc Oxide Semiconductor with Dendrite Structure Using Stereolithography, Proceedings of International Symposium on Materials Science and Innovation for Sustainable Society (ECO-MATES 2011), 2011, 127-128, 2011
 9. Yasunori Uehara, Soshu Kirihaara, Fabrication of Intermetallics Micro Networks on Light Metals for Surface Stress Modifications through Reaction Diffusion Joining, Proceedings of Materials Science and Technology 2011, ISBN 978-0-87339-758-2, 1539-1545, 2011
 10. Soshu Kirihaara, Satoko Tasaki, Yasunoari Uehara, Yusuke Itakura, Geometrical Modulations of Alloy Phases in Steel Microstructures by Using Spatial Welding, Proceedings of Materials Science and Technology 2011, ISBN 978-0-87339-758-2, 1587-1592, 2011
 11. Soshu Kirihaara, Satoko Tasaki, Toshiki Niki, Noritoshi Ohta, Ceramics Micro Processing of Photonic Crystals: Geometrical Patterning of Titania Dispersed Polymer for Terahertz Wave Control, Proceedings of the 35th International Conference Advanced Ceramics and Composites, 32, 109-120, 2011
 12. Satoko Tasaki, Soshu Kirihaara, Fabrication of Ceramic Dental Crowns by Using Stereolithography and Powder Sintering Process, Proceedings of the 35th International Conference Advanced Ceramics and Composites, 32, 141-146, 2011

13. Soshu Kirihara, Katsuya Noritake, Naoki Komori, Satoko Tasaki, Smart Nanoparticles Assembling to Create Micro Dendrite Structures for Energy Storage and Environmental Analysis Applications, Proceedings of The 7th International Conference on Clean Coal Technology and Fuel Cells (CCT&FCS-2011), 7, 152-165, 2011

Publications

1. Yoshitake Masuda, Soshu Kirihara, Nanofabrication, INTECH, 2011, 354

Invited/Plenary Presentations

1. Soshu Kirihara, 6th China International Conference of Surface Engineering, 2011/5/12, Xi'an, Invited
2. Soshu Kirihara, International Seminar of Novel Materials Tectonics, 2011/5/26, Shanghai, Invited
3. Soshu Kirihara, First International Conference on Sustainable Chemistry, 2011/7/6, Antwerp, Invited
4. Soshu Kirihara, 9th International Meeting of Pacific Rim Ceramic Societies, 2011/7/10, Cairns, Invited
5. Soshu Kirihara, 19th Annual International Conference on Composites / Nano Engineering, 2011/7/24, Shanghai, Invited
6. Soshu Kirihara, International Conference on Processing & Manufacturing of Advanced Materials, 2011/8/1, Quebec, Invited
7. Soshu Kirihara, 4th International Workshop on Smart Materials & Structures, 2011/9/14, Morocco, Invited
8. Soshu Kirihara, 3rd International Symposium on Advanced Ceramics and Technology for Sustainable Energy Applications, 2011/10/30, Taiwan, Invited
9. Soshu Kirihara, The 7th International Conference on Clean Coal Technology and Fuel Cells (CCT&FCS-2011), 2011/11/8, Fukuoka, Invited
10. Soshu Kirihara, International Conference on Energy Efficient Materials, Manufacturing Methods & Machineries for Ceramic Industries (2E4MCI 2011), 2011/12/18, India, Invited

Symposia

1. 7th International Conference on Clean Coal Technology and Fuel Cells, Invited speakers: David Harris, CSIRO Energy Technology, Australia / Kook-Young Ahn, Korea Institute of

Machinery & Materials, Korea / Mingruo Hu, Institute of Fuel Cell, Shanghai Jiao Tong University, China