2008 — KIRIHARA Soshu

Scientific Papers/Commentary Articles

1. Weiwu Chen, Soshu Kirihara, Yoshinari Miyamoto, "Static tuning band gaps of three-dimensional photonic crystals in subterahertz frequencies", Applied Phiysics Letters, 92, 183504-1-3, 2008
2. Soshu Kirihara, Yoshinari Miyamoto, Terahertz Wave Control Using Ceramic Photonic Crystals with Diamond Structure Including Plane Defects Fabricated by Micro-stereolithography, Ceramic Interconnect and Ceramic Microsystems Technology, 5, 254-257, 2008
3. Toshihide Horii, Sosyu Kirihara, Yoshinari Miyamoto, Freeform fabrication of Ti-Al alloys by 3D micro-welding, Intermetallics, 16, 1245-1249, 2008
4. Weiwu Chen, Soshu Kirihara, Yoshinari Miyamoto, Fabrication and Characterization of Three-Dimensional ZrO2-Toughened Al2O3 Ceramic Microdevices, International Journal of Applied Ceramic Technolog, 5(4), 353-359, 2008
5. Weiwu Chen, Soshu Kirihara, Yoshinari Miyamoto, Microfabrication of Three-Dimensional Photonic Crystals of SiO2-Al2O3 Ceramics and Their Terahertz Wave Properties, International Journal of Applied Ceramic Technology, 5(3), 228-233, 2008
6. Soshu Kirihara, Masaru Kaneko, Toshiki Nik, Terahertz Wave Control Using Ceramic Photonic Crystals with a Diamond Structure Including Plane Defects Fabricated by Microstereolithography, International Journal of Applied Ceramic Technology, 6(1), 41-44, 2009
7. Hideaki Kanaoka, Soshu Kirihara and Yoshinari Miyamoto, "Terahertz wave properties of alumina microphotonic crystals with a diamond structure", Joiurnal of Materials Research, 23(4), 1036-1041, 2008
8. Yoshinari Miyamoto, Hideaki Kanaoka, Soshu Kirihara, Terahertz wave localization at a three-dimensional ceramic fractal cavity in photonic crystals, Journal of Applied Physics, 103, 103106-1-5, 2008
9. Wen Wang, Soshu Kirihara, Yoshinari Miyamoto, Zhihao Jiny, "Fabrication of Metallodielectric Photonic Crystals with a Diamond Structure and their Microwave Properties", Journal of the American Ceramic Society, 91(4), 1194-1198, 2008
10. Takuji Nakagawa, Keisuke Kageyama,Hiroshi Takagi, Yukio Sakabe, "Stereolithographic Fabrication and Microwave Properties of 1D Tunable Photonic Crystals Composed of YIG and Alumina Plates in Resin", Journal of the American Ceramic Society, 91(7), 2195-2200, 2008
11. Zhongqi Shi, Mohamed Radwan, Soshu Kirihara, Yoshinari Miyamoto, Zhihao Jin, Conbusion synthesis of rod-like AlN nanoparticles, Journal of the Ceramic Society of Japan, 116(9), 975-979, 2008

12. Toshihide Horii, Soshu Kirihara, Yoshinari Miyamoto, Freeform fabrication of superalloy objects by 3D micro welding, Materials & Design, 30, 1093-1097, 2008
13. Naoki Mizuta, Kiyotaka Matsuura, Soshu Kiriharac, Yoshinari Miyamotoc, Titanium aluminide coating on titanium surface using three-dimensional microwelder, Materials Science and Engineering A, 492, 199-204, 2008

International Conference Proceedings

1. Soshu Kirihara, Daisuke Sano, Masaru Kaneko, Smart Processing in Materials Tectonics:Fabrication of Photonic Crystals for Terahertz Wave Control by Using Micor-stereolithography, Proceeding of The 3rd International Conference on Rapid Prototyping and Manufacturing and The 2nd International Conference for Bio-manufacturing, 3, 111-114, 2008
2. Masahito Ishikawa, Soshu Kirihara, Yoshinari Miyamoto, Taiji Sohmura, Freeform Fabrication of Alumina Dental-Corwin Models by Using Stereolithography, Proceedings of the 32nd International Conference Advanced Ceramics and Composites, 29(9), 131-138, 2008
3. Takanori Hibino, Soshu Kirihara and Yoshinari Miyamoto, Localization of Terahertz Waves in Photonic Fractal Arrays of Alumina Fabricated by Micro-Stereolithography, Proceedings of the 32nd International Conference Advanced Ceramics and Composites, 29(9), 155-161, 2008
4. YutaYamamoto, Soshu Kirihara, Freeform Fabrication of WC-Co/SUS304 Composite Materials by Using Three Dimensional Micro Welding, Proceedings of Materials Science and Technology 2008, ISBN-13: 978-0-87170-723-9, 2374-2383, 2008
5. Soshu Kirihara, Daisuke Sano, Freeform Micro Fabrication of Metal Structures to Control Electromagnetic Wave by Using Stereolithography, Proceedings of Materials Science and Technology 2008, ISBN-13: 978-0-87170-723-9, 2384-2393, 2008
6. Yoshinari Miyamoto, Weiwu Chen, Hideaki Kanaoka, Masahito Ishikawa and Soshu Kirihara, Smart Processing of 3D Micro Ceramic Devices for Functional and Structural Applications, Proceeding of the 10th International Conference of the Europiean Ceramic Society, 10, 482-486, 2008

Awards

1. Toshihide Horii, YOUNG RESEARCHER AWARD IUMRS-ICA 2008, 2008/12/13
2. Daisuke Sano, Best Presentation Award MM&FGM 2008, 2008/9/25

Symposia

1. The First Asian Symposium on Smart Processing Technology 2008, Invited speakers: Prof. Di Zhang, Shanghai Jiao Tong University, CHINA, Prof. Sirirung Songsivilai, NANOTEC, THAILAND, Prof. Nam-hyun Kang, Pusan National University, KOREA
2. Smart Processing Technology Symposium on IUMRS-ICA in Asia 2008, Invited speakers: Prof. Jing Zhang, Tohoku University, Prof. Junichi Tatami Yokohama National University

Intellectual Properties

1. Three-dimensional Periodic Structure and Method for Producing the Same, 発明者：Soshu Kirihara, Yoshinari Miyamoto, Takuji Nakagawa, Katsuhiko Tanaka, 権利者：Murata Manufacturing Co., Ltd., US7303626B2, 出願年月日：2005/5/15, 取得年月日：2007/12/4