

## 2010 —YASUDA Hidehiro

### Scientific Papers/Commentary Articles

1. N. Nitta, T. Hasegawa, H. Yasuda, Y. Hayashi, T. Yoshiie, M. Taniwaki and H. Mori, Void Formation and Structure Change Induced by Heavy Ion Irradiation in GaSb and InSb, *Materials Transactions*, 51, 1059-1063, 2010
2. N. Nitta, E. Taguchi, H. Yasuda, H. Mori, Y. Hayashi, T. Yoshiie and M. Taniwaki, Secondary defects induced by ion and electron irradiation of GaSb, *Philosophical Magazine Letters*, 91, 223-228, 2011
3. H. Yasuda, K. Matsumoto, T. Furukawa, M. Imamura, N. Nitta and H. Mori, Thickness-dependent structural transition in GaAs nanocrystals grown on Si(111) surface, *Journal of Crystal Growth*, 314, 365–369, 2011
4. H. Yasuda and H. Mori, Electronic-excitation-induced processing in GaSb compound nanoparticles, *Journal of Nanomaterials*, 2011, 901930-1-4, 2011

### International Conference Proceedings

1. H. Yasuda, H. Mori and H. Maeda, Anisotropic Lattice Coherency in GaAs Nanocrystals Grown on Si (100) Surface, *Proc. of the 17th IFSM International Microscopy Congress ( IMC 17 )*, paper number M3\_39 ( on CD ), 2010
2. H. Yasuda and H. Mori, Effect of Bonding Characteristics on Electron-irradiation-induced Structural Changes in III-V Compounds, *Proc. of the 17th IFSM International Microscopy Congress ( IMC 17 )*, paper number M10\_3 ( on CD ), 2010
3. H. Yasuda, K. Matsumoto, T. Furukawa, M. Imamura, N. Nitta and H. Mori, Structural Stabilities in GaAs Nanocrystals Grown on Si (111) Surface, *Materials Science Forum*, 654-656, 1059-1063, 2010
4. H. Yasuda and H. Mori, Formation of Electronic-excitation-induced Porous Structures in GaSb Nanoparticles, *Proc. of the 17th IFSM International Microscopy Congress ( IMC 17 )*, paper number M3\_39 ( on CD ), 2010
5. R. Nishi, S. Isakozawa, H. Mogaki, M. Ozawa, T. Yasuda, K. Yoshida and H. Yasuda, Design of Auto-Focus System using Image Sharpness for Tomography with the Ultrahigh Voltage Electron Microscope, *Proc. of the 17th IFSM International Microscopy Congress ( IMC 17 )*, paper number I16\_13 ( on CD ), 2010
6. Kiyokazu Yoshida, Hidehiro Yasuda, Ryuji Nishi, Hiroaki Mogaki, Shigeto Isakozawa and Hirotaro Mori, Improvement of a Remote Control/Observation System for the 3MV Ultrahigh

Voltage Electron Microscope, Proc. of the 17th IFSM International Microscopy Congress ( IMC 17 ), paper number I17\_9 ( on CD ), 2010

**Symposia**

1. Workshop on Radiation Effects in Materials, Francois Willaime (CEA/Saclay), Koji Maeda, (The University of Tokyo), Kazutomo Suenaga (AIST)