

2010 年度業績 —保田 英洋

学術論文・解説記事

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. 保田英洋、森博太郎, 低エネルギー電子励起効果による化合物半導体ナノ粒子の形態および相制御, *まてりあ*, 49, 325-326, 2010
3. 保田英洋, 合金ナノ粒子の相平衡 —平衡状態と電子励起効果—, *触媒*, 53, 9 - 13, 2010
4. 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
5. 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
6. H. Yasuda and H. Mori, Electronic-excitation-induced processing in GaSb compound nanoparticles, *Journal of Nanomaterials*, 2011, 901930-1-4, 2011

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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 Hirotao 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

シンポジウム開催状況

1. Workshop on Radiation Effects in Materials, Francois Willaime (CEA/Saclay)、前田康二（東大）、末永和知（産総研）、参加人数 15（外国人参加者数 1）