

Publication List

- **Investigation of Ge_{1-x}Sn_x/Ge with high Sn composition grown at low temperature**, I.S. Yu, T.H. Wu, K.Y. Wu, H. H. Cheng, V.I. Mashanov, A.I. Nikiforov, O.P. Pchelyakov, X.S. Wu, *AIP Advances*, **1**, 042118 (2011)

- **Modeling magnetotransport in inhomogeneous (Ge, Mn) films**, I.-S. Yu, M. Jamet, A. Marty, T. Devillers, A. Barski, C. Beigné, P. Bayle-Guillemaud, J. Cibert, *Journal of Applied Physics*, **109**, 123906 (2011)

- **Formation of Ge-Sn nanodots on Si(001) surface by Molecular Beam Epitaxy**, V.I. Mashanov, V.V. Ulyanov, V.A. Timofeev, A.I. Nikiforov, O.P. Pchelyakov, I.-S. Yu, H.-H. Cheng, *Nanoscale Research Letters*, **6**, 85 (2011)

- **Structure and magnetism of Ge₃Mn₅ clusters**, A. Jain, M. Jamet, A. Barski, T. Devillers, I.-S. Yu, C. Porret, P. Bayle-Guillemaud, V. Favre-Nicolin, S. Gambarelli, V. Maurel, G. Desfonds, J.F. Jacquot, S. Tardif, *Journal of Applied Physics*, **109**, 013911 (2011)

- **Spinodal decomposition to control magnetotransport in (Ge, Mn) films**, I.-S. Yu, M. Jamet, T. Devillers, A. Barski, P. Bayle-Guillemaud, C. Beigné, J. Rothman, V. Baltz, J. Cibert, *Physical Review B*, **82**, 035308 (2010)

- **(Ge,Mn): A ferromagnetic semiconductor for spin injection in silicon**, M. Jamet, T. Devillers, I.-S. Yu, A. Barski, P. Bayle-Guillemaud, J. Rothman, V. Favre-Nicolin, S. Tardif, S. Cherifi, J. Cibert, L. Grenet, P. Noé, V. Calvo, P. Warin, J.-M. Hartmann, B. Rodmacq, S. Auffret, Y. Samson, *International Journal of Nanotechnology*, **7**, 4-8, 575 (2010)

- **From diluted magnetic semiconductors to self-organized nanocolumns of GeMn in germanium**, S. Tardif, I.-S. Yu, T. Devillers, M. Jamet, S. Cherifi, J. Cibert, A. Barski, P. Bayle-Guillemaud, E. Bellet-Amalric, *Proceedings of SPIE*, **7036**, 40 (2008)

- **Smoothing of Si_{0.7}Ge_{0.3} virtual substrates by gas-cluster-ion beam**, H. Chen, F. Chen, X. M. Wang, X. K. Yu, J. R. Liu, K. B. Ma, W.K. Chu, H. H. Cheng, I.-S. Yu, Y. T. Ho, K. Y. Horng, *Applied Physics Letters*, **87**, 103504 (2005)