

誌 上 発 表 Publications

[雑誌]

(原著論文) *印は査読制度がある論文誌

- Misawa T., Gandhi P., Hida A., Tamagawa T., and Yamaguchi T.: “Identification of New Near-Infrared Diffuse Interstellar Bands in the Orion Nebula”, *Astrophys. J.* **700**, No. 2, pp. 1988–1993 (2009). *
- Huang S., Shin S., Fukata N., and Ishibashi K.: “A single-electron transistor and an even-odd effect in chemically synthesized Ge nanowires”, *J. Appl. Phys.* **109**, No. 3, pp. 036101-1–036101-3 (2011). *

口 頭 発 表 Oral Presentations

(国際会議等)

- Tarun J. L., Huang S., uchida k., Fukata N., Ishibashi K., and Oda S.: “Transport properties of silicon nanowires with ferromagnetic leads”, G-COE PICE International Symposium on Silicon Nano Devices in 2030: Prospects by World’s Leading Scientists, (Global COE), Tokyo, Oct. (2009).
- Tarun J. L., Huang S., Fukuma Y., Idzuchi H., Otani Y., Fukata N., Ishibashi K., and Oda S.: “Distinct spin valve effects in silicon nanowires measured by non-local electrode configuration”, 23rd International Microprocesses and Nanotechnology Conference (MNC 2010), (The Japan Society of Applied Physics), Fukuoka, Nov. (2010).
- Tarun J. L., Huang S., Fukuma Y., Idzuchi H., Otani Y., Fukata N., Ishibashi K., and Oda S.: “silicon nanowire-based lateral spin valve devices”, 55th Annual Conference on Magnetism and Magnetic Materials, (AIP Physics Conferences Inc. and IEEE Magnetics Society), Atlanta, USA, Nov. (2010).
- Nishio T., Kozakai T., Amaha S., Larsson M., Nilsson H., Xu H., Zhang G., Tateno K., Takayanagi H., and Ishibashi K.: “A study of supercurrent in InAs nanowires around pinch-off”, *Frontiers in Nanoscale Science and Technology (FNST 2011)*, Wakou, Jan. (2011).
- Ishibashi K. and Hida A.: “Molecular nanostructures with carbon nanotube/molecule heterojunctions for quantum nanodevice applications”, 10th Japan-Sweden QNANO workshop, Visby, Sweden, June (2011).
- Nishio T., Kozakai T., Amaha S., Larsson M., Nilsson H. A., Xu H. Q., Guoqiang Z., Tateno K., Takayanagi H., and Ishibashi K.: “Supercurrent in InAs nanowire with highly transparent superconducting contacts”, QNN2011, Tokyo, Oct. (2011).
- Nishio T., Kozakai T., Amaha S., Larsson M., Nilsson H. A., Xu H. Q., Guoqiang Z., Tateno K., Takayanagi H., and Ishibashi K.: “Supercurrent in InAs quantum nanowire with superconducting contacts”, ISANN 2011, (Japanese Society for Promotion of Science, through the 151 Committee, the MURATA Science Foundation, and

by the U. S. Office of Naval Research), Hawaii, USA, Dec. (2011).

(国内会議)

- 野口卓也, 島田敏宏, 千葉貴史, 寺田昌男, 長谷川哲也: “アモルファスカーボン薄膜の超高温加熱処理: 表面形状の変化”, 第 70 回応用物理学会学術講演会, (応用物理学会), 富山, 9 月 (2009).
- Tarun J. L., Huang S., 福間康裕, 井土宏, 大谷義近, 深田直樹, 石橋幸治, 小田俊理: “Silicon nanowire-based lateral spin valve device”, 第 71 回応用物理学会学術講演会, (Japan Society of Applied Physics), 長崎, 9 月 (2010).
- 西尾隆宏, 小塚達也, 天羽真一, 章国強, 館野功太, 高柳英明, 石橋幸治: “InAs ナノワイヤを用いたジョセフソン接合中の超伝導電流”, 第 72 回応用物理学会学術講演会, (応用物理学会), 山形, 8–9 月 (2011).
- 野口卓也, Kim T., 金有洙, 石橋幸治, 長谷川哲也: “金属表面上 CVD 成長グラフェンの酸化とその構造”, 日本物理学会 2011 年秋季大会, 富山市, 9 月 (2011).
- 西尾隆宏: “Fabrication of transmon quantum bits using InAs nanowires”, ナノサイエンス研究施設成果交流会, 和光, 11 月 (2011).
- 西尾隆宏, 小塚達也, 天羽真一, Larsson M., Nilsson H. A., Xu H. Q., Guoqiang Z., 館野功太, 高柳英明, 石橋幸治: “InAs ナノワイヤを用いた量子細線中の超伝導電流”, 第 2 回表面科学若手研究会, 和光, 11 月 (2011).