

List of Publications (2010/4/1)

[論文]

- (1) Terao, Jun; Tsuda, Susumu; Tsurui, Keisuke; Kambe, Nobuaki. Synthesis of highly insulated molecular wires by polymerization of organic-soluble symmetrical linked inclusion complex monomers. *Macromolecular Symposia in press*.
- (2) Tachibana, Yasuhiro; Makuta, Satoshi; Otsuka, Yasuhide; Terao, Jun; Tsuda, Susumu; Kambe, Nobuaki; Kuwabata, Susumu. Preparation and characteristic control of conducting polymer/metal oxide nano-hybrid films for solar energy conversion. *Ceramic Engineering and Science Proceedings* **2010**, *30*, 35-49.
- (3) Terao, Jun; Tanaka, Yuji; Tsuda, Susumu; Kambe, Nobuaki; Taniguchi, Masateru; Kawai, Tomoji; Saeki, Akinori; Seki, Shu. Insulated molecular wire with highly conductive π -conjugated polymer core. *Journal of the American Chemical Society* **2009**, *131*, 18046-18047.
- (4) Terao, Jun; Tsuda, Susumu; Tanaka, Yuji; Okoshi, Kento; Fujihara, Tetsuaki; Tsuji, Yasushi; Kambe, Nobuaki. Synthesis of organic-soluble conjugated polyrotaxanes by polymerization of linked rotaxanes. *Journal of the American Chemical Society* **2009**, *131*, 16004-16005.
- (5) Tachibana, Yasuhiro; Makuta, Satoshi; Otsuka, Yasuhide; Terao, Jun; Tsuda, Susumu; Kambe, Nobuaki; Seki, Shu; Kuwabata, Susumu. Organic conducting wire formation on a TiO₂ nanocrystalline structure: towards long-lived charge separated systems. *Chemical Communications* **2009**, 4360-4362.
- (6) Tsuda, Susumu; Terao, Jun; Tsurui, Keisuke; Kambe, Nobuaki. Synthesis of a linked [1]-[1]rotaxane. *Chemistry Letters* **2009**, *38*, 190-191.
- (7) Tsuda, Susumu; Terao, Jun; Tanaka, Yuji; Maekawa, Tomoka; Kambe, Nobuaki. Synthesis of linked symmetrical [3] and [5]rotaxanes using an oligomeric phenylene ethynylene (OPE) core skeleton as a π -conjugated guest via double intramolecular self-inclusion. *Tetrahedron Letters* **2009**, *50*, 1146-1150.
- (8) Tsuda, Susumu; Terao, Jun; Kambe, Nobuaki. Synthesis of an organic-soluble π -conjugated [1]rotaxane. *Chemistry Letters* **2009**, *38*, 76-77.
- (9) Tsuda, Susumu; Aso, Yoshio; Kaneda, Takahiro. Linear oligomers composed of a photochromically contractible and extendable Janus[2]rotaxane. *Chemical Communications* **2006**, 3072-3074.