

## Publication 2007

1. "Ferrocenylnaphthalene Diimide-based Electrochemical Ribonuclease Assay"  
Masanori Kanazawa, Shinobu Sato, Keiichi Ohtsuka, & Shigeori Takenaka,  
*Analytical Sciences*, **23**, 1415-1419 (2007).
2. "Electrochemical RNaseA detection using ferrocenylnaphthalene diimide"  
Masanori Kanazawa, Shinobu Sato, Keiichi Ohtsuka, & Shigeori Takenaka,  
*Nucleic Acids Symposium Series*, **51**, 323-324 (2007).
3. "Further stabilization of the double stranded DNA complex by naphthalene diimide derivative having 2,2-dipicolylamine-zinc complex"  
Sadayoshi Watanabe, Keiichi Ohtsuka, & Shigeori Takenaka,  
*Nucleic Acids Symposium Series*, **51**, 191-192 (2007).
4. "Searching study for the suitable ferrocenylnaphthalene diimide derivative in the electrochemical telomerase assay"  
Shinobu Sato, Keiichi Ohtsuka, & Shigeori Takenaka,  
*Nucleic Acids Symposium Series*, **51**, 85-86 (2007).
5. "Sequence-dependent DNA deformability studied using molecular dynamics simulations"  
Fujii Satoshi, Hidetoshi Kono, Shigeori Takenaka, Nobuhiro Go, & Akinori Sarai  
*Nucleic Acids Research*, **35**, 6063-6074 (2007).
6. "Study on the Reactivity of Ferrocenylcarbodiimide to DNA Duplex Containing Single-Mismatched Base Pair"  
Kosuke Mukumoto, Sadayoshi Watanabe, Takahiko Nojima, Michinori Waki, & Shigeori Takenaka,  
*Analytical Sciences*, **23**, 645-649 (2007).
7. "Detection of crRNA Hybridized on a DNA Chip Using Tetrakis-acridinyl Peptide (TAP) Cassette, Consisting of TAP and d[A18(TA)51]"  
Katsuhiko Kawai, Yasumitsu Kondoh, Takahiko Nojima, Kazuoki Tada, Shigeori Takenaka, Hideo Tashiro & Tomoko Tashiro,  
*Analytical Sciences*, **23**, 267-270 (2007).

8. "Direct modification of mRNA by ferrocenylcarbodiimide and its application for electrochemical detection of mRNA"  
Kosuke Mukumoto, Takahiko Nojima, Michinori Waki & Shigeori Takenaka,  
*Analytical Sciences*, **23**, 115-119 (2007).
  
9. "FRET probes based on the guanine quadruplex formation for the fluorometric detection of potassium ion"  
Satoru Nagatoishi, Takahiko Nojima, Elzbieta Galezowska, Agata Gluszynska,  
Bernard Juskowiak & Shigeori Takenaka,  
*Anal. Chim. Acta.*, **581**, 125-131 (2007).