

新名主 輝男 (九州大学先導物質化学研究所)

発表論文等 (論文、著書の発表状況)

- (1) Solvent-selective Gelation and Construction of Nanofiber Based on Tubular Assembly of Pyromellitic Diimide-based Macrocyclic,
Nakagaki, T.; Harano, A.; Fuchigami, Y.; Tanaka, E.; Kidoaki, S.; Okuda, T.; Iwanaga, T.; Goto, K.; Shinmyozu, T.* submitted.
- (2) Changing Volume of a Giant Macrocyclic: The Swelling of the Macrocyclic with Organic Solvents,
Harano, A.; Irie, M.; Nakagaki, T.; Annaka, M.; Ideta, K.; Goto, K.; Shinmyozu, T.* submitted.
- (3) 2,1,3-Benzothiadiazole Dimers: Preparation, Structure, and Transannular Electronic Interactions of syn- and anti-[2.2](4,7)Benzothiadiazolophanes
Watanabe, M.; Goto, K.; Fujitsuka, M.; Tojo, S.; Majima, T.; Shinmyozu, T.* submitted.
- (4) Synthesis, Structure, Electronic and Photophysical Properties of Two- and Three-layered [3.3]Paracyclophane-based Donor-Acceptor Systems,
Watanabe, M.; Goto, K.; Shibahara, M.; Shinmyozu, T.*submitted.
- (5) Spherical Molecular Assembly Formed by the Interplay of Hydrophobic and Hydrogen Bonding Interactions. Formation of a Hexameric Ball,
Goto, K.; Miyahara, Y.; Shinmyozu, T.* *Tetrahedron Lett.* **2010**, *51*, 832-835.
- (6) Molecular Tubes and Capsules, Part 5. Molecular Recognition of Polymethoxybenzenes by Host Molecule Comprised of Two Pyromellitic Diimides and Two Dialkoxynaphthalenes,
Nakagaki, T.; Kato, S-i.; Harano, A.; Shinmyozu, T.* *Tetrahedron* **2010**, *66*, 976-985.

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- (7) Mononuclear Cyclophanes,
Shinmyozu, T.; Shibahara, M. In Science of Synthesis; Siegel, J. S.; Tobe, Y., Eds.; Houben-Weyl Methods of Molecular Transformations, Georg Thieme Verlag KG; Stuttgart, 2010, 45b, 1267-1310.

学会発表等 (国内外の招待講演および国際会議での発表状況)

- (1) Toward the Synthesis of Molecular Tubes from Pyromellitic Diimide Based Cyclophanes, Bandyopadhyay, A.; Shinmyozu T. 12th Kyushu International Symposium on Physical Organic Chemistry, Kyushu University, Japan, 2009.12.15-18 (ポスター発表) .
- (2) A Strategy Towards Synthesis of Covalently Linked Molecular Tubes and The Inclusion Properties of Their Structural Units,
Ershad, Md. Halim; Sangvikar, Y.; Iwanaga, T.; Shinmyozu T. 12th Kyushu International

Symposium on Physical Organic Chemistry, Kyushu University, Japan, 2009.12.15-18
(ポスター発表) .

- (3) A Synthetic Study of Hexaprismane Derivatives via Photochemical Reaction of Fluorinated [3₃]Cyclophanes,
Si Si Aung; Ueda, S.; Koga, T.; Shinmyozu T. 12th Kyushu International Symposium on Physical Organic Chemistry, Kyushu University, Japan, 2009.12.15-18 (ポスター発表) .
- (4) Nanofibril Formation by Self-Assembly of Pyromellitic Diimide-based Macrocycles,
Nakagaki, T.; Harano, A.; Fuchigami, Y.; Iwanaga, T.; Okuda, T.; Kidoaki, S.; Goto, K.; Shinmyozu T. 12th Kyushu International Symposium on Physical Organic Chemistry, Kyushu University, Japan, 2009.12.15-18 (ポスター発表) .
- (5) Solvent-dependent Volume Increments of the Schiff-base Macrocycle: The Swelling of the Macrocycle with Organic Solvents,
Harano, A.; Irie, M.; Nakagaki, T.; Annaka, M.; Ideta, K.; Goto, K.; Shinmyozu T. 12th Kyushu International Symposium on Physical Organic Chemistry, Kyushu University, Japan, 2009.12.15-18 (ポスター発表) .
- (6) Synthesis, Structure, and Photophysical Properties of Silicon-bridged cyclophanes,
Yuan, C.; Goto, K.; Shinmyozu T. 12th Kyushu International Symposium on Physical Organic Chemistry, Kyushu University, Japan, 2009.12.15-18 (ポスター発表) .
- (7) A Study on Charge Transfer Interaction Using Cyclophanes as Model Compounds,
Shinmyozu T. Syposium on Creation of Functional Materials 2009, University of Tsukuba, Japan, 2009.12.3-4 (招待講演) .
- (8) Synthesis and Photophysical and Inclusion Properties of Giant Capsule Molecules,
Shinmyozu T. 2009 Taipei-Shanghai Symposium on Materials Chemistry, Institute of Chemistry, Academia Sinica, Taiwan, 2009.11.28-29 (招待講演) .
- (9) A Study of a Donor-Bridge (Multilayered [3.3]cyclophane)-Acceptor System as a New Molecular Wire,
Shinmyozu T. 2nd Korea-Taiwan Bilateral Symposium on Materials Chemistry and Solar Energy Utilization, Yangpyeong, Korea, 2009.10.23-27 (招待講演) .
- (10) Inclusion Phenomena of the Cyclophanes as The Structural Units of Molecular Tubes,
Shinmyozu T. The 4th Taiwan-Japan Bilateral Symposium on Architecture of Functional Organic Molecules, Fukuoka, Japan, 2009.8.17-19 (招待講演) .