

1. Koichi Mayumi, and Kohzo Ito, "Structure and Dynamics of Polyrotaxane and Slide-Ring Materials", *Polymer*, **51**(4), 959–967(2010).
2. Koichi Mayumi, Hitoshi Endo, Noboru Osaka, Hideaki Yokoyama, Michihiro Nagao, Mitsuhiro Shibayama, and Kohzo Ito, "Mechanically Interlocked Structure of Polyrotaxane Investigated by Contrast Variation Small-Angle Neutron Scattering", *Macromolecules*, **42**(16), 6327–6329(2009).
3. Tetsuya Kume, Jun Araki, Yasuhiro Sakai, Koichi Mayumi, Masatoshi Kidowaki, Hideaki Yokoyama, and Kohzo Ito, "Static and Dynamic Light Scattering Studies on Dilute Polyrotaxane Solutions", *Journal of Physics: Conference Series*, **184**, 012018(2009).
4. Koichi Mayumi, Michihiro Nagao, Hitoshi Endo, Noboru Osaka, Mitsuhiro Shibayama, Kohzo Ito, Dynamics of polyrotaxane investigated by neutron spin echo, *Physica B*, **404**, 2600–2602 (2009).
5. Koichi Mayumi,Noboru Osaka,Hitoshi Endo,Hideaki Yokoyama,Yasuhiro Sakai,Mitsuhiro Shibayama, and Kohzo Ito, Concentration-induced conformational change in linear polymer threaded into cyclic molecules, *Macromolecules*, **41**, 6480–6485 (2008).
6. Sadaki Samitsu, Jun Araki, Takeshi Shimomura, Kohzo Ito, "Synthesis of a molecular tube in an organic solvent and its inclusion complexation behavior with poly (ethylene oxide?ran?propylene oxide)", *Macromolecules*, **41**, 5385–5392 (2008).
7. Jun Araki and Kohzo Ito, "Strongly thixotropic viscosity behavior of dimethylsulfoxide solution of polyrotaxane comprising α-cyclodextrin and low molecular weight poly(ethylene glycol)", *Polymer*, **48**, 7139–7144 (2007).
8. Jun Araki, Toshiyuki Kataoka, Kohzo Ito, "New solvent for polyrotaxane. III. dissolution in calcium thiocyanate aqueous solution or N-Methylmorpholine-N-Oxide (NMMO) monohydrate and the spontaneous gelation of the former solution", *J. Appl. Polym. Sci.*, **105**, 2265–2270 (2007).
9. Aoi Inomata, Hitoshi Ishibashi, Takao Nakajima, Yasuhiro Sakai, Masatoshi Kidowaki, Takeshi Shimomura and Kohzo Ito, "Dielectric relaxation of liquid-crystalline polyrotaxane", *Europhysics Letters*, **79**(6), 66004 (2007).
10. Toshiyuki Kataoka, Masatoshi Kidowaki, Changming Zhao, Jun Araki, Takayuki Ikebara, and Kohzo Ito, "Thermal properties and microstructures of methylated polyrotaxane solutions", *Current Drug Discovery Technologies*, **4**(4), 275–281(2007).
11. Masatoshi Kidowaki, Takao Nakajima, Jun Araki, Aoi Inomata, Hitoshi Ishibashi, Kohzo Ito, "Novel liquid crystalline polyrotaxane with movable mesogenic side chains", *Macromolecules*, **40**, 6859–6862 (2007).
12. Toshiyuki Kataoka, Yohei Nagao, Masatoshi Kidowaki, Jun Araki, Kohzo Ito; "Liquid?liquid equilibria of polyrotaxane and poly(vinyl alcohol)", *Colloids and Surfaces B: Biointerfaces*, **56**, 270–276(2007).
13. Takeshi Karino, Yasushi Okumura, Changming Zhao, Masatoshi Kidowaki, Toshiyuki Kataoka, Kohzo Ito and Mitsuhiro Shibayama; "Sol-gel transition of hydrophobically modified polyrotaxane", *Macromolecules*, **39**, 9435–9441(2006).

14. Jun Araki, Kohzo Ito; "Polyrotaxane derivatives. I. Preparation of modified polyrotaxanes with nonionic functional groups and their solubility in organic solvents", *Journal of Polymer Science Part A: Polymer Chemistry*, **44**(21), 6312–6323(2006).
15. Toshiyuki Kataoka, Masatoshi Kidowak, Changming Zhao, Hiroyuki Minamikawa, Toshimi Shimizu and Kohzo Ito; "Local and network structure of thermoreversible polyrotaxane hydrogels based on poly(ethylene glycol) and methylated α -cyclodextrins", *Journal of Physical Chemistry, B*, **110**(48), 24377–243823(2006).
16. Masatoshi Kidowaki, Changming Zhao, Toshiyuki Kataoka, and Kohzo Ito; "Thermoreversible sol?gel transition of an aqueous solution of polyrotaxane composed of highly methylated α -cyclodextrin and polyethylene glycol", *Chemical Communications*, 4102–4103(2006).
17. Sadaki Samitsu, Jun Araki, Toshiyuki Kataoka and Kohzo Ito, "New solvent for polyrotaxane. II. Dissolution behavior of polyrotaxane in ionic liquids and preparation of ionic-liquid-containing slide-ring gel", *Journal of Polymer Science: Part B: Polymer Physics*, **44**, 1985–1994(2006).
18. Jun Araki and Kohzo Ito; "New solvent for polyrotaxane. I. Dimethylacetamide/lithium chloride (DMAc/LiCl) system for modification of polyrotaxane", *Journal of Polymer Science: Part A: Polymer Chemistry*, **44**, 532 ? 538(2006).
19. Jun Araki, Changming Zhao and Kohzo Ito; "Efficient Production of Polyrotaxanes from α -Cyclodextrin and Poly(ethylene glycol)", *Macromolecules*, **38**(17) , 7524 ? 7527(2005).
20. Changming Zhao, Yusuke Domon, Yasushi Okumura1, Satoshi Okabe, Mitsuhiro Shibayama and Kohzo Ito; "Sliding mode of cyclodextrin in polyrotaxane and slide-ring gel", *Journal of Physics: Condensed Matter*, **17** , S2841?S2846(2005).
21. Kohzo Ito, Takeshi Shimomura and Yasushi Okumura; "Nanostructures formed by combination of nanotube and polymer chains", *Macromolecular Symposia*, **201**, 103–110(2003).
22. Takeshi Shimomura, Tatsuya Funaki and Kohzo Ito; "Circular dichroism study of the inclusion-dissociation behavior of complexes between a molecular nanotube and azobenzene substituted linear polymers", *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **44**, 275–278(2003).
23. Takuya Funaki, Takeshi Shimomura and Kohzo Ito; "Inclusion-dissociation behavior between non-ionic surfactants and molecular nanotube in aqueous solution", *Koubunshi Ronbunshu*, **58**, 299–303(2001).
24. Makoto Saito, Takeshi Shimomura, Yasushi Okumura, Kohzo Ito and Reinosuke Hayakawa; "Temperature dependence of inclusion-dissociation behavior between molecular nanotubes and linear polymers", *Journal of Chemical Physics*, **114**, 1–3(2001).
25. Yasushi Okumura, Kohzo Ito, Reinosuke Hayakawa and Toshio Nishi; "Self-assembling dendritic supramolecule of molecular nanotubes and starpolymers", *Langmuir*, **26**, 10278–10280(2000).
26. Yasushi Okumura, Kohzo Ito and Reinosuke Hayakawa; "Theory on inclusion behavior between cyclodextrin molecules and linear polymer chains in solutions", *Polymers for Advanced Technologies*, **11**, 815–819(2000).
27. Eiji Ikeda, Yasushi Okumura, Takeshi Shimomura, Kohzo Ito and Reinosuke Hayakawa; "Inclusion behavior between molecular nanotubes and linear polymer chains in aqueous solutions", *Journal of Chemical Physics*, **112**, 4321–4325 (2000).