

World's First Time-controlled Molecular Self-Organization

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The National Institute for Materials Science has developed a method for preprogramming the timing of molecules to initiate self-organization by mixing molecules with modified side chains. The results of this research will be published in the German Chemical Society's journal "Angewandte Chemie International Edition" in the near future. (S. Ogi, T. Fukui, M. L. Jue, M. Takeuchi, K. Sugiyasu, Article title: "Kinetic control over pathway complexity in supramolecular polymerization through modulating the energy landscape by rational molecular design" Angew. Chem. Int. Ed., <http://dx.doi.org/10.1002/anie.201407302>)

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